

Set	Items	Description
S1	22951	SYSTEM?(2N) (OBJECT? OR FILE? OR SECTOR? OR HEADER?)
S2	2781831	DATA OR CONTENT? OR INFORMATION?
S3	1547372	UPDATE? OR NEW OR NEWER OR REVISE? OR LATEST OR CURRENT? OR LAST
S4	134412	(DIFFERENT? OR OPPOSITE? OR DISCRETE?) (3N) (SECTOR? OR AREA? ? OR LOCATION? OR LOCAL? OR PLACE? OR END OR ENDS)
S5	23893	(FIRST OR INITIAL OR PRIOR OR BEFORE OR PRIMARY) (3N) (ACCES- S? OR READ?)
S6	77209	(OPTICAL OR WORM) (N) (DISK? OR DISC? ? OR STORAGE? OR MEMOR- ?) OR WRITE() ONCE() READ OR CDR OR CD() R OR DVDR OR DVD() R
S7	387	S1 AND S6 AND S2
S8	0	S3 AND S4 AND S7
S9	2	S7 AND S4
S10	7	S7 AND S5
S11	54	S1 AND S3 AND S6
S12	12	S4 AND S5 AND S6
S13	9	S11 AND IC=(G06F-017? OR G06F-007?)
S14	27	S10 OR S12 OR S13
S15	29	S9 OR S14
S16	29	IDPAT (sorted in duplicate/non-duplicate order)
S17	28	IDPAT (primary/non-duplicate records only).

File 347: JAPIO Oct 1976-2002/Apr (Updated 020805)
(c) 2002 JPO & JAPIO

File 350: Derwent WPIX 1963-2002/UD, UM & UP=200249
(c) 2002 Thomson Derwent

17/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014605246 **Image available**
WPI Acc No: 2002-425950/200245
XRPX Acc No: N02-334943

Electronic file management method for magneto-optical drive, involves moving file to different storage locations based on set of rules associated with file

Patent Assignee: KOM INC (KOMK-N)
Inventor: FU Y; JELVIS A; LIYANSKY A L; PARTHASARATHY V; SHAATH K
Number of Countries: 096 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200225445	A2	20020328	WO 2001IB1725	A	20010919	200245 B

Priority Applications (No Type Date): US 2000665065 A 20000919

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200225445	A2	E	41	G06F-012/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): WO 200225445 A2

NOVELTY - A file is stored along with associated set of rules in respective storage location on a storage medium. The time of file transfer to another storage location, is automatically determined from the associated rules, and based on which the file is transferred.

USE - For managing electronic files in storage devices of computer system e.g. hard disk drive, magneto-optical drive, CD ROM, DVD-RAM, DVD-ROM, DVD - R , DVD-RW, DVD+RW etc.

ADVANTAGE - Allows the file to be accessed during all stages of its existence. Ensures **information** availability and simultaneously provides cost effective storage location for each file, according to predefined administration policies. Allows determination of file transfer to recycle bin.

DESCRIPTION OF DRAWING(S) - The figure shows the simplified block diagram of visualization of virtual volume comprising three virtual filing cabinets in **file management system** .

pp; 41 DwgNo 3a/6

Title Terms: ELECTRONIC; FILE; MANAGEMENT; METHOD; MAGNETO; OPTICAL; DRIVE; MOVE; FILE; STORAGE; LOCATE; BASED; SET; RULE; ASSOCIATE; FILE

Derwent Class: T01

International Patent Class (Main): G06F-012/00

File Segment: EPI

17/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014355629 **Image available**
WPI Acc No: 2002-176330/200223
XRPX Acc No: N02-133912

Optical disk drive outputs stored data after completion of access when data are recorded in two different bands

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002015518	A	20020118	JP 2000191267	A	20000626	200223 B

Priority Applications (No Type Date): JP 2000191267 A 20000626

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 2002015518 A 7 G11B-020/10

Abstract (Basic): JP 2002015518 A

NOVELTY - The data zone is divided into several bands. When the data to be reproduced is found to be recorded over two **different band areas**, the data reproduced by reading a data in one band area is stored in a buffer memory (13) **before** the start of **access** operation to the data in another band. The stored data in the buffer is output after the completion of the access operation.

USE - **Optical disk** drive.

ADVANTAGE - Prevents interruption in regeneration of data recorded in **different areas** during an access period, by storing regenerated data in buffer memory. Enables regenerating data recorded over **different band areas**, continuously.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of **optical disk** drive. (Drawing includes non-English language text).

Buffer memory (13)

pp; 7 DwgNo 1/2

Title Terms: OPTICAL; DISC; DRIVE; OUTPUT; STORAGE; DATA; AFTER; COMPLETE; ACCESS; DATA; RECORD; TWO; BAND

Derwent Class: T03

International Patent Class (Main): G11B-020/10

File Segment: EPI

17/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013972050 **Image available**

WPI Acc No: 2001-456263/200149

XRPX Acc No: N01-338064

Data copy between peer-to-peer controllers managing storage devices generating data structures according to the received data sets

Patent Assignee: INT BUSINESS MACHINES CORP (IBM)

Inventor: MICKA W F; NOVICK Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6189079	B1	20010213	US 9883750	A	19980522	200149 B

Priority Applications (No Type Date): US 9883750 A 19980522

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 6189079 B1 21 G06F-012/06

Abstract (Basic): US 6189079 B1

NOVELTY - Host systems (4,6,8,10) may connect with each other and a primary controller (12) and a secondary controller (14) via a network (16) and the controllers control **access** to **primary** and secondary direct **access** storage devices (18,20) such as hard discs, magnetic tape drives, **optical discs** etc. while the controllers include storage areas to store operands and other data.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a system for copying data sets, for a computer system, for memories and for code implemented on a computer readable medium.

USE - Copying data between peer-to-peer controllers at two **different locations**.

ADVANTAGE - Reduced response time for copying.

DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of the software and hardware environment

Host systems (4,6,8,10)

Controllers (12,14)

Network (16)

Storage devices (18,20)

pp; 21 DwgNo 1/6

Title Terms: DATA; COPY; PEER; PEER; CONTROL; MANAGE; STORAGE; DEVICE;
GENERATE; DATA; STRUCTURE; ACCORD; RECEIVE; DATA; SET
Derwent Class: T01
International Patent Class (Main): G06F-012/06
International Patent Class (Additional): G06F-012/00
File Segment: EPI

17/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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013855486 **Image available**
WPI Acc No: 2001-339699/200136
XRPX Acc No: N01-245683

Data memory device e.g. magnetic disk unit, has decision unit to judge whether operating system of host apparatus is compatible and if so to provide access to data area of file system

Patent Assignee: TOSHIBA KK (TOKE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001092696	A	20010406	JP 99271924	A	19990927	200136 B

Priority Applications (No Type Date): JP 99271924 A 19990927

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 2001092696 A 5 G06F-012/00

Abstract (Basic): JP 2001092696 A

NOVELTY - Interfaces (16-1-16-n) are linked to several host apparatuses. When access demand is received from host apparatus via interface, decision unit judges whether the operating system of host computer is compatible. If it is compatible, access is provided to **data area (12) in file system**.

USE - E.g. magnetic disk unit, magneto- **optical disk** apparatus.

ADVANTAGE - Since compatibility of operating system is checked **before accessing**, system failure due to incompatible operating system is prevented.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of magnetic disk unit. (Drawing includes non-English language text).

Data area (12)
Interfaces (16-1-16-n)
pp; 5 DwgNo 1/5

Title Terms: **DATA** ; MEMORY; DEVICE; MAGNETIC; DISC; UNIT; DECIDE; UNIT;
JUDGEMENT; OPERATE; SYSTEM; HOST; APPARATUS; COMPATIBLE; SO; ACCESS;
DATA ; AREA; FILE; SYSTEM

Derwent Class: T01
International Patent Class (Main): G06F-012/00
International Patent Class (Additional): G06F-003/06
File Segment: EPI

17/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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013746674 **Image available**
WPI Acc No: 2001-230903/200124
XRPX Acc No: N01-164637

Picture file generating management system for endoscope, records the different management in the database, relevant to variety of image file data in disk

Patent Assignee: OLYMPUS OPTICAL CO LTD (OLYU)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001034631	A	20010209	JP 99208140	A	19990722	200124 B

Priority Applications (No Type Date): JP 99208140 A 19990722

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001034631	A		28	G06F-017/30	

Abstract (Basic): JP 2001034631 A

NOVELTY - The image file data of the specific object is stored in the detachable magneto **optical disk** (8a), mounted on the case. Primary management data of recorded image is produced and stored in database (11). The **new** image data independent of primary management data is recorded in the disk. The secondary management data is recorded in the memory relevant to **new** image.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the image database production management.

USE - For recording management of image files obtained from endoscope image used for intra-corporeal observation.

ADVANTAGE - Effective sharing of image data between various terminals in the network is ensured, irrespective of linkage of terminals with network.

DESCRIPTION OF DRAWING(S) - The figure shows the explanatory view of picture **file management system**.

Magneto **optical disk** (8)

Database (11)

pp; 28 DwgNo 1/32

Title Terms: PICTURE; FILE; GENERATE; MANAGEMENT; SYSTEM; ENDOSCOPE; RECORD ; MANAGEMENT; DATABASE; RELEVANT; VARIETY; IMAGE; FILE; DATA; DISC

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): G06F-003/06; G06F-019/00;

G06T-001/00

File Segment: EPI

17/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013594973 **Image available**

WPI Acc No: 2001-079180/200109

XRPX Acc No: N01-060224

Information reproducing device for compact disk, transfers data from cache to another memory, if difference between last and first correct addresses preceding and following incorrect addresses, equals preset value

Patent Assignee: DEUT THOMSON-BRANDT GMBH (THOH)

Inventor: HUETTER I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6118737	A	20000912	US 99277363	A	19990326	200109 B

Priority Applications (No Type Date): US 99277363 A 19990326

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6118737	A		7	G11B-017/22	

Abstract (Basic): US 6118737 A

NOVELTY - Data stored in data areas associated with incorrect and correct addresses, are stored in cache (5) and memory (6) respectively. A controller (11) transfers data stored in memory (5) to memory (6), if difference between last and first correct address preceding and following series of incorrect addresses is equal to total number of data areas associated with series of incorrect addresses plus one.

DETAILED DESCRIPTION - An optical scanning unit (2) generates data stream from the information recorded on the recording medium. An address checking unit (4) decodes address stored in the address areas of data stream and forwards data stored in data areas to the memory

(9). A control unit (12) connected to the control unit (11), controls the scanning unit to scan again the area of the recording medium containing sectors having incorrect addresses. An INDEPENDENT CLAIM is also included for method for reproducing encoded data with low reproduction error rate.

USE - For reproducing information recorded in **optical disks** such as compact disk (CD), writable optical recording media such as **CD - R**, CD-RW, magneto- **optical disks**, optically scannable tape recording media, solid state recording media, etc.

ADVANTAGE - Data areas having incorrect addresses are not decoded and reproduced unless there is a high probability that they correctly fit between those data areas preceding and following the series of incorrect address areas. If the difference between last and first correct addresses is not equal to the number of data series contained in series of sectors having incorrect addresses, the respective data areas are not played back. So enjoyment of listening or viewing is not reduced. Optical scanner scans contactless and allows for an extremely quick access to **different areas** of information recording medium. Area of second memory and other memories are reduced, thereby increasing storage capacity of cache memory, so that bigger series of data areas belonging to incorrect addresses can be stored. So even a large dirty area in the recording medium can be reproduced correctly. During repeated reading of the areas having incorrectly decoded address, there is a chance to correctly read and/or decode the address areas which are incorrectly **read** or decoded during **first** or another preceding try. The encoded data is reproduced with low reproduction error rate and frequency of use of incorrect addresses is reduced. Succession of sectors having interpolated addresses is unrecognizable by the listener or viewer.

DESCRIPTION OF DRAWING(S) - The figure shows the diagrammatic view of information reproducing device.

Optical scanning unit (2)

Address checking unit (4)

Memory (5,6,9)

Decoder (7)

Control unit (11,12)

pp; 7 DwgNo 1/3

Title Terms: INFORMATION; REPRODUCE; DEVICE; COMPACT; DISC; TRANSFER; DATA; CACHE; MEMORY; DIFFER; LAST; FIRST; CORRECT; ADDRESS; PRECEDE; FOLLOW; INCORRECT; ADDRESS; EQUAL; PRESET; VALUE

Derwent Class: T03; W04

International Patent Class (Main): G11B-017/22

File Segment: EPI

17/5/7 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013381064 **Image available**

WPI Acc No: 2000-553002/200051

XRPX Acc No: N00-409430

Image recording-reproducing apparatus for added type recording device, records file system information required to access image information, to memory medium, when recording image information

Patent Assignee: RICOH KK (RICO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000215644	A	20000804	JP 9910258	A	19990119	200051 B

Priority Applications (No Type Date): JP 9910258 A 19990119

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000215644	A	10	G11B-027/00	

Abstract (Basic): JP 2000215644 A

NOVELTY - A recording controller records **file - system**

information required in order to access image information, to memory medium of added type recording device, when the image information is recorded to the memory medium.

USE - For added type recording device e.g. CD - R apparatus.

ADVANTAGE - Enables to record **updated file - system** information, when updating directory information, hence facilitating reproduction of image information obtains reliable image recording.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of image recording and reproducing apparatus.

pp; 10 DwgNo 1/12

Title Terms: IMAGE; RECORD; REPRODUCE; APPARATUS; ADD; TYPE; RECORD; DEVICE ; RECORD; FILE; SYSTEM; INFORMATION; REQUIRE; ACCESS; IMAGE; INFORMATION; MEMORY; MEDIUM; RECORD; IMAGE; INFORMATION

Derwent Class: T01

International Patent Class (Main): G11B-027/00

International Patent Class (Additional): **G06F-017/40** ; G06T-001/00;

H04N-005/765; H04N-005/78; H04N-005/781

File Segment: EPI

17/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012556094 **Image available**

WPI Acc No: 1999-362200/199931

XRPX Acc No: N99-270218

Drawing data display unit of electronic file system - displays revision condition display data superimposing on drawing image information, when read-out drawing is in revising operation state

Patent Assignee: OKI ELECTRIC IND CO LTD (OKID)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11134357	A	19990521	JP 97301036	A	19971031	199931 B

Priority Applications (No Type Date): JP 97301036 A 19971031

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11134357	A		5 G06F-017/30	

Abstract (Basic): JP 11134357 A

NOVELTY - Registration information (F1) stored in an **optical disk** (15), includes drawing state information which shows whether the drawing (1) is in revising operation state. A display (12) displays revision state display data (SD) superimposed on the drawing image information (PD) when read-out drawing is in revising operation state. DETAILED DESCRIPTION - The **optical disk** (15) stores image information of different drawings and drawing search registration information. A designation unit designates a drawing functioning as the search object. A search unit searches for designated drawing according to the registration information and reads out the searched drawing image information from the memory.

USE - For displaying drawing data in electronic **file system** .

ADVANTAGE - Eliminates incorrect use of drawing which is in revision operation state as normal drawing. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of electronic **file system** . (1) Drawing; (12) Display unit; (15) **Optical disk** .

Dwg.1/4

Title Terms: DRAW; DATA; DISPLAY; UNIT; ELECTRONIC; FILE; SYSTEM; DISPLAY; **REVISED** ; CONDITION; DISPLAY; DATA; SUPERIMPOSED; DRAW; IMAGE;

INFORMATION; READ; DRAW; OPERATE; STATE

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): G06F-012/00

File Segment: EPI

17/5/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012526317 **Image available**
WPI Acc No: 1999-332423/199928
XRPX Acc No: N99-250058

Lens arrangement in optical pick-up apparatus - has electromagnetic drive unit to move bobbin accommodated with objective lens and objective lens group, along direction perpendicular to optical axis direction of lens

Patent Assignee: SONY CORP (SONY)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11120587	A	19990430	JP 97285894	A	19971017	199928 B

Priority Applications (No Type Date): JP 97285894 A 19971017

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11120587	A	14	G11B-007/09	

Abstract (Basic): JP 11120587 A

NOVELTY - An electromagnetic drive unit drives a bobbin (36) accommodating an objective lens group (22) and an objective lens (34), along a perpendicular direction to the optical axis of the objective lenses (22,34). DETAILED DESCRIPTION - An optical system (11) has on objective lens (22) and a point ball lens (23) which is arranged opposite to an **optical disc** (8) so that the optical axis of both the lenses (22,23) are arranged along a same line. The optical system (12) has an objective lens to read **information** signals from the two **optical discs** (6,7).

USE - In optical pick-up apparatus used for reproducing-regenerating **information** from **optical disc**, magneto-optical.

ADVANTAGE - Enables to reproduce signals from **different location** along thickness direction of the discs. Reduces size of apparatus by arranging objective lenses in a signal bobbin. DESCRIPTION OF

DRAWING(S) - The figure indicates the lens arrangement in optical pick-up apparatus. (6-8) **Optical disc**; (11,12) **Optical systems**; (22) Group **objective lens**; (23) Point ball lens; (34) Objective lens; (36) Bobbin.

Dwg.1/11

Title Terms: LENS; ARRANGE; OPTICAL; PICK; UP; APPARATUS; ELECTROMAGNET; DRIVE; UNIT; MOVE; BOBBIN; ACCOMMODATE; OBJECTIVE; LENS; OBJECTIVE; LENS; GROUP; DIRECTION; PERPENDICULAR; OPTICAL; AXIS; DIRECTION; LENS

Derwent Class: T03; W04

International Patent Class (Main): G11B-007/09

File Segment: EPI

17/5/10 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012436463 **Image available**
WPI Acc No: 1999-242571/199920
XRPX Acc No: N99-180422

Accessing and updating method for optical disk library

Patent Assignee: CYGNET STORAGE SOLUTIONS INC (CYGN-N)
Inventor: BENZIE S E; HANGGIE S R; SMITH R H; WEAVER M L
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5884298	A	19990316	US 9623233	A	19960329	199920 B
			US 9625752	A	19960919	
			US 96770853	A	19961220	

Priority Applications (No Type Date): US 96770853 A 19961220; US 9623233 P 19960329; US 9625752 P 19960919

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5884298	A		60	G06F-017/30	Provisional application US 9623233 Provisional application US 9625752

Abstract (Basic): US 5884298 A

NOVELTY - **Optical disk** data is stored in a hard disk when it is requested more frequently than other **optical disk** data. The data requests are monitored by cache **file system** which satisfies requests by accessing and communicating requesting data from the cache. The actual storage locations of **optical disks** are reconciled with storage locations represented in a database.

DETAILED DESCRIPTION - Unique contents based values are generated for each of catalogued disks, by iteratively reading data from target disk and processing it using selected hashing algorithm. Catalog data streams are generated, that comprise fixed length data representing file and subdirectory attributes as well as variable length data representing file names and directory names. Limited catalogs representing file and subdirectory data are confined to fixed maximum number of subdirectory levels. The limited catalogs include file and directories on disk possessing attributes which match specific set of filter parameters. INDEPENDENT CLAIMS are included for the following:

- (a) Finger print identification value creating method;
- (b) Hierarchical index display method;
- (c) Optical media location verification method;
- (d) Contents cataloging method for removable computer readable medium.

USE - For **optical disk** e.g. CDROM library management.

ADVANTAGE - Enhances performance of **optical disk** library by storing frequency used or otherwise important **optical disk** data in high speed cache.

DESCRIPTION OF DRAWING(S) - The figure shows steps of hard disk based data cache in **optical disk** management system.

pp; 60 DwgNo 9/23

Title Terms: ACCESS; **UPDATE** ; METHOD; OPTICAL; DISC; LIBRARY

Derwent Class: T01; T03; W04

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

17/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011951048 **Image available**

WPI Acc No: 1998-367958/199832

XRPX Acc No: N98-287935

Magneto optical disc drive - in which TOC information read -out from first memory is recorded onto recording medium and then regenerated and stored in second memory

Patent Assignee: SONY CORP (SONY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10144011	A	19980529	JP 96300480	A	19961112	199832 B

Priority Applications (No Type Date): JP 96300480 A 19961112

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10144011	A		20	G11B-020/18	

Abstract (Basic): JP 10144011 A

The apparatus includes a verification memory (23) with a pair of memories (23A,23B), controlled by a CPU (11). Data written into a recording medium is generated by a recording processing unit. A pick-up unit reads out data recorded in the recording medium and supplies it to a regenerating unit. Prior to data recording process, a TOC information or data management file stored in **first** memory is **read -out** and

forwarded to a DRAM (14) and then written into a **different area** of recording medium, by a disc drive unit (25).

Then the written TOC information is regenerated and then stored in DRAM and the second memory. The coincidence of data stored in the memories are then compared. If there is any discrepancy in the compared data, a warning signal is displayed in a display unit (9).

ADVANTAGE - Provides warning on abnormalities in recording medium. Reduces time required for writing information.

Dwg.1/10

Title Terms: MAGNETO; OPTICAL; DISC; DRIVE; INFORMATION; READ; FIRST; MEMORY; RECORD; RECORD; MEDIUM; REGENERATE; STORAGE; SECOND; MEMORY

Derwent Class: T03; W04

International Patent Class (Main): G11B-020/18

International Patent Class (Additional): G06F-003/06; G06F-003/08

File Segment: EPI

17/5/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011951047 **Image available**

WPI Acc No: 1998-367957/199832

XRPX Acc No: N98-287934

Disc apparatus used for recording digital data in magneto optical disc - produces warning sign when content of first memory that contains predetermined data and second memory that contains data reproduced from predetermined area of disc, are different

Patent Assignee: SONY CORP (SONY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10144010	A	19980529	JP 96300479	A	19961112	199832 B

Priority Applications (No Type Date): JP 96300479 A 19961112

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10144010	A		20	G11B-020/18	

Abstract (Basic): JP 10144010 A

The apparatus comprises a verification memory (23) that is controlled by a CPU. A predetermined data is stored in a first portion (23A) of the verification memory. During recording of data, the predetermined data stored in the first memory is forwarded to a DRAM (14). A disc drive (25) writes the predetermined data in a predetermined area of a magneto **optical disc**.

The written data is reproduced from the predetermined area and is stored in a second portion (23B) of the verification memory. The CPU performs verification process by comparing the content of the first and second memory. When the contents are different, a warning sign is given by a display unit (9).

ADVANTAGE - Prevents ineffective data write-in operation. Reduces process time by performing verification only during **first** write-in or **read** -out process.

Dwg.1/10

Title Terms: DISC; APPARATUS; RECORD; DIGITAL; DATA; MAGNETO; OPTICAL; DISC ; PRODUCE; WARNING; SIGN; CONTENT; FIRST; MEMORY; CONTAIN; PREDETERMINED; DATA; SECOND; MEMORY; CONTAIN; DATA; REPRODUCE; PREDETERMINED; AREA; DISC

Derwent Class: T03; W04

International Patent Class (Main): G11B-020/18

International Patent Class (Additional): G06F-003/06; G06F-003/08;

G11B-007/00

File Segment: EPI

17/5/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011897935 **Image available**

WPI Acc No: 1998-314845/199828

XRPX Acc No: N98-246864

Image reading system for data recorded on film which holds incidental information area other than image area - processes read image and incidental information and outputs as data of single image

Patent Assignee: CANON KK (CANO)

Inventor: AMIKURA T; SATO H; SUZUKI R; TAMEKUNI Y

Number of Countries: 026 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 848543	A2	19980617	EP 97310126	A	19971215	199828 B
JP 10171037	A	19980626	JP 96335775	A	19961216	199836
JP 10187960	A	19980721	JP 96353923	A	19961219	199839
JP 10190913	A	19980721	JP 96354728	A	19961220	199839
US 6249362	B1	20010619	US 97988508	A	19971210	200137

Priority Applications (No Type Date): JP 96354728 A 19961220; JP 96335775 A 19961216; JP 96353923 A 19961219

Cited Patents: No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 848543	A2	E	78	H04N-001/387	
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Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI

LT LU LV MC MK NL PT RO SE SI

JP 10171037	A		10	G03B-027/46
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JP 10187960	A		19	G06T-005/00
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JP 10190913	A		13	H04N-001/00
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US 6249362	B1			G03F-003/10
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Abstract (Basic): EP 848543 A

The image reading system which reads an image recorded on a film capable of holding incidental information of the image in an **area different** from an **area** where the image is recorded, has a reading device (114) for reading the incidental information of the image recorded on the film. A processing device (160, 161) processes the read image and the incidental information read by the reading device and outputs data of a single image.

A display device (122) displays the data of the single image outputted from said processing device (160, 161). The incidental information is date information. The processing device (160, 161) changes an output colour of the date information (S110). The processing device automatically determines an output colour of the date information on the basis of a colour of the read image.

USE - Particularly for displaying image of object which has been sensed against sun at desired brightness on display screen. E.g. for accessing information from floppy or hard disc, CD-ROM, **CD - R**, magneto- **optical disc**, magnetic tape or non-volatile memory.

ADVANTAGE - Capable of obtaining preview image of low resolution without performing scanning operation, and swiftly reads image from film at high resolution where image has been **read before**.

Dwg.1/50

Title Terms: IMAGE; READ; SYSTEM; DATA; RECORD; FILM; HOLD; INCIDENTAL; INFORMATION; AREA; IMAGE; AREA; PROCESS; READ; IMAGE; INCIDENTAL; INFORMATION; OUTPUT; DATA; SINGLE; IMAGE

Derwent Class: P84; T01; W04

International Patent Class (Main): G03B-027/46; G03F-003/10; G06T-005/00; H04N-001/00; H04N-001/387

International Patent Class (Additional): G03B-027/52; G06F-015/00; G06T-001/00; H04N-001/40; H04N-001/46

File Segment: EPI; EngPI

17/5/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010988481 **Image available**

WPI Acc No: 1996-485430/199648

Related WPI Acc No: 1997-448273

XRPX Acc No: N96-409005

Object-oriented file structuring system e.g. f-on magnetic disk, tape or optical disk - provides file of objects, each comprising prefix, suffix, and contents, and creates focus list of focus entries of file when file is open, and accesses objects while objects are in focus

Patent Assignee: MENAI CORP (MENA-N)

Inventor: HENDERSON T A; WILCOX J A; WILCOX J J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5568639	A	19961022	US 93158591	A	19931124	199648 B

Priority Applications (No Type Date): US 93158591 A 19931124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5568639	A		23	G06F-007/00	

Abstract (Basic): US 5568639 A

DATA objects, CONTAINER objects and SYSTEM objects are defined that facilitates navigation through a file structuring system . Notation and nomenclature are defined for building files composed of CONTAINERS and DATA and SYSTEM objects and for defining relationships between and among files, CONTAINERS and DATA. A FOCUS LIST tracks objects of interest and aids in NAVIGATION. CONTAINER objects contain other objects.

DATA objects enclose DATA in either machine-dependent or machine-independent value representations. Developers work with logical files and can freely create and modify the logical relationships of file objects. A RECONSTITUTION algorithm periodically updates the physical file to correspond to the logical file.

Dwg.3/16

Title Terms: OBJECT; ORIENT; FILE; STRUCTURE; SYSTEM; MAGNETIC; DISC; TAPE; OPTICAL; DISC; FILE; OBJECT; COMPRISE; PREFIX; CONTENT; FOCUS; LIST; FOCUS; ENTER; FILE; FILE; OPEN; ACCESS; OBJECT; OBJECT; FOCUS

Derwent Class: T01

International Patent Class (Main): G06F-007/00

International Patent Class (Additional): G06F-009/00

File Segment: EPI

17/5/15 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010716296 **Image available**

WPI Acc No: 1996-213251/199622

XRPX Acc No: N96-178681

Optical disk for data recording - has processor that outputs recording processing result to external device based on recording process of light data received esp. when abnormality is judged by decision circuit

Patent Assignee: TOSHIBA KK (TOKE)

Inventor: KAWAKAMI I

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8076939	A	19960322	JP 94208723	A	19940901	199622 B
US 5574708	A	19961112	US 95522704	A	19950901	199651

Priority Applications (No Type Date): JP 94208723 A 19940901

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8076939	A		11	G06F-003/06	
US 5574708	A		13	G11B-007/00	

Abstract (Basic): JP 8076939 A

The disk (1) has a first trial printer that sequentially performs several trial printings of printing data on the first trial printing domain outside the data recording domain of the **optical disk** upon omission of the light data from an external device. A **first reading** handle stage **reads** the printed data.

The read data is analysed by a decision circuit as to whether a normal reading is occurred. However, when the printed data is not normally readable, an identical operation on the first operation is performed once again by a second printer, second reading handle stage and second decision circuit. However, if still, a normal reading is not possible, a third decision circuit judges an abnormality in the light received. A normal termination of the recording process to the external device is performed when the abnormality is not determined. However, once an abnormality has been detected, a processor output the result externally.

ADVANTAGE - Prevents loss of light data by terminating light data to external device once abnormality is not detected and outputting processing result once abnormality is detected.

Dwg.1/7

Title Terms: OPTICAL; DISC; DATA; RECORD; PROCESSOR; OUTPUT; RECORD; PROCESS; RESULT; EXTERNAL; DEVICE; BASED; RECORD; PROCESS; LIGHT; DATA; RECEIVE; ABNORMAL; JUDGEMENT; DECIDE; CIRCUIT

Derwent Class: T01; T03

International Patent Class (Main): G06F-003/06; G11B-007/00

International Patent Class (Additional): G11B-020/10; G11B-020/12;

G11B-020/18

File Segment: EPI

17/5/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2002 Thomson Derwent. All rts. reserv.

010459109 **Image available**

WPI Acc No: 1995-360428/199547

XRPX Acc No: N95-267957

Image reader for use with documents stored on optical disc - changes colour of backing part behind original before reading with CCD scanner

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: KANEMITSU N; SAITO K; WADA M

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 679010	A2	19951025	EP 95104315	A	19950323	199547 B
JP 7298007	A	19951110	JP 9485068	A	19940422	199603
EP 679010	A3	19961227	EP 95104315	A	19950323	199710
EP 679010	B1	20000607	EP 95104315	A	19950323	200032
DE 69517364	E	20000713	DE 617364	A	19950323	200040
			EP 95104315	A	19950323	
US 6301019	B1	20011009	US 95408292	A	19950322	200162

Priority Applications (No Type Date): JP 9485068 A 19940422

Cited Patents: No-SR.Pub; 1.Jnl.Ref; DE 3444555; EP 295588; EP 41319; JP 59229967; US 3976833; US 4383275; US 5130807; US 5200837

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 679010 A2 E 35 H04N-001/00

Designated States (Regional): DE FR GB

JP 7298007 A 16 H04N-001/04

EP 679010 A3 H04N-001/00

EP 679010 B1 E H04N-001/00

Designated States (Regional): DE GB

DE 69517364 E H04N-001/00 Based on patent EP 679010

US 6301019 B1 H04N-001/38

Abstract (Basic): EP 679010 A

The image reqder includes an electro-optical converter which scans

an original and converts it into an electrical signal. A backing member has **differently** coloured **areas** arranged in a direction in which the converter scans. It is positioned opposite the converter. A driving mechanism moves the converter w.r.t. the backing member.

A controller operates the driving mechanism based upon a type of the original. This controls a position of the converter w.r.t. the backing member, facing one of the coloured areas. The converter output is changed into digital data based upon a given whiteness level.

Dwg.3/20

Title Terms: IMAGE; READ; DOCUMENT; STORAGE; OPTICAL; DISC; CHANGE; COLOUR; BACKING; PART; ORIGINAL; READ; CCD; SCAN

Derwent Class: W02

International Patent Class (Main): H04N-001/00; H04N-001/04; H04N-001/38

International Patent Class (Additional): G06T-001/00

File Segment: EPI

17/5/17 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009289461 **Image available**

WPI Acc No: 1992-416870/199251

XRPX Acc No: N92-317912

Computer data memory management system with duty classification table - uses multidigit words with each bit indicating type of memory and limitations together with availability

Patent Assignee: DIGITAL EQUIP CORP (DIGI)

Inventor: STOPPANI P

Number of Countries: 004 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4218025	A	19921210	DE 4218025	A	19920601	199251 B
FR 2677146	A1	19921204	FR 926644	A	19920602	199305
GB 2258546	A	19930210	GB 9211394	A	19920529	199306
US 5287500	A	19940215	US 91709626	A	19910603	199407
GB 2258546	B	19950208	GB 9211394	A	19920529	199509
DE 4218025	C2	20020321	DE 4218025	A	19920601	200222

Priority Applications (No Type Date): US 91709626 A 19910603

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4218025	A		10	G06F-015/40	
FR 2677146	A1			G06F-012/00	
GB 2258546	A		22	G06F-012/02	
US 5287500	A		9	G06F-013/10	
GB 2258546	B		2	G06F-012/02	
DE 4218025	C2			G06F-017/30	

Abstract (Basic): DE 4218025 A

A computer system (100) has a CPU (100) connected by a system bus (104) to a number of disc memories (106-110), a primary memory (112), a virtual memory (114) and a user interface (120). The primary memory (112) stores the user programme (122), the operating system (124), a **data** management programme (126) and the service duty dissipation **data** in tabulated form (130).

The duty classification **data** is in the form of 8 bit words, in which the **first** bit indicates, **access** times of less than 20 millisecond the second bit a cache memory, the third bit daily tape back up and the fourth bit the availability of memory. The remaining bits are unused.

ADVANTAGE - Improved management of different memories.

Dwg.1/6

Title Terms: COMPUTER; **DATA** ; MEMORY; MANAGEMENT; SYSTEM; DUTY; CLASSIFY; TABLE; MULTIDIGIT; WORD; BIT; INDICATE; TYPE; MEMORY; LIMIT; AVAILABLE

Derwent Class: T01

International Patent Class (Main): G06F-012/00; G06F-012/02; G06F-013/10; G06F-015/40; G06F-017/30

File Segment: EPI

17/5/18 (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009247702 **Image available**
WPI Acc No: 1992-375119/199246
XRPX Acc No: N92-285935

Double-sided optical disc player - detects angular displacement in address location in track sector between opposite sides of double-sided optical disc and corrects address
Patent Assignee: MATSUSHITA ELEC IND CO LTD (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)
Inventor: AZUMATANI Y; FUKU Y; HAMASAKA H; SATOH I; TAKAGI Y; FUKUSHIMA Y
Number of Countries: 005 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 512860	A2	19921111	EP 92304171	A	19920508	199246 B
US 5253242	A	19931012	US 92878343	A	19920504	199342
EP 512860	A3	19930623	EP 92304171	A	19920508	199405
EP 512860	B1	19960717	EP 92304171	A	19920508	199633
DE 69212217	E	19960822	DE 612217	A	19920508	199639
			EP 92304171	A	19920508	
KR 9503173	B1	19950401	KR 927864	A	19920509	199708

Priority Applications (No Type Date): JP 91105469 A 19910510
Cited Patents: No-SR.Pub; 3.Jnl.Ref; JP 1023424; JP 1286129; JP 2103731; JP 286129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 512860	A2	E	14	G11B-027/10	
US 5253242	A		12	G11B-007/00	
EP 512860	B1	E	16	G11B-027/10	
Designated States (Regional): DE FR GB					
DE 69212217	E			G11B-027/10	Based on patent EP 512860
EP 512860	A3			G11B-027/10	
KR 9503173	B1			G11B-007/00	

Abstract (Basic): EP 512860 A

The player includes first and second optical heads (4A, 4B) for irradiating laser beams to tracks on respective sides (3A, 3B) of the double-sided **optical disc** (1). An ID offset detecting circuit (21) calculates, in response to outputs from the ID read-out circuits (10A, 10B) an ID offset value (17) descriptive of an annular displacement in **sector** position between **opposite** sides (3A, 3B) of the disc (1) traced by the associated optical heads (4A, 4B).

The ID offset value (18) is retained and is added to an output from the second ID read-out circuit (10B). A second sector recording and/or reproduction circuit (11B) detects a target sector address when a corrected sector address output from the adder coincides with the target sector on the other side of the disc (1).

ADVANTAGE - Reduces total time to complete data recording or reproduction.

Dwg.1/8

Title Terms: DOUBLE; SIDE; OPTICAL; DISC; PLAY; DETECT; ANGULAR; DISPLACEMENT; ADDRESS; LOCATE; TRACK; SECTOR; OPPOSED; SIDE; DOUBLE; SIDE; OPTICAL; DISC; CORRECT; ADDRESS

Derwent Class: T03; W04

International Patent Class (Main): G11B-007/00; G11B-027/10

International Patent Class (Additional): G11B-007/085; G11B-021/08

File Segment: EPI

17/5/19 (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008890720 **Image available**

WPI Acc No: 1992-017989/199203

Related WPI Acc No: 1992-018077

XRPX Acc No: N92-013655

Digital computer file system - has component file systems including read write primary file system and read only dump file systems

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT); THOMPSON K L (THOM-I); AT & T CORP (AMTT); AT & T IPM CORP (AMTT)

Inventor: PIKE R C; THOMPSON K L; PIKE C; THOMPSON L

Number of Countries: 007 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 466389	A	19920115	EP 91306017	A	19910702	199203 B
CA 2045799	A	19920112				199215
AU 649455	B	19940526	AU 9180334	A	19910710	199426
EP 466486	A3	19930811	EP 91306291	A	19910711	199507
EP 466389	A3	19930818	EP 91306017	A	19910702	199508
US 5457796	A	19951010	US 90551218	A	19900711	199546
			US 94259262	A	19940610	
EP 466389	B1	19981007	EP 91306017	A	19910702	199844
DE 69130312	E	19981112	DE 630312	A	19910702	199851
			EP 91306017	A	19910702	
CA 2046723	C	19981124	CA 2046723	A	19910710	199906
CA 2045799	C	19990323	CA 2045799	A	19910627	199930

Priority Applications (No Type Date): US 90551218 A 19900711; US 94259262 A 19940610

Cited Patents: NoSR.Pub; 00 5.Jnl.Re; 00 1.Jnl.

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 466389	A	16		
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Designated States (Regional): DE FR GB IT

AU 649455	B		G06F-015/20	Previous Publ. patent AU 9180334
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US 5457796	A	17	G06F-017/30	Cont of application US 90551218
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EP 466389	B1 E		G06F-011/14	
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Designated States (Regional): DE FR GB IT

DE 69130312	E		G06F-011/14	Based on patent EP 466389
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CA 2046723	C		G06F-009/00	
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CA 2045799	C		G06F-012/00	
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Abstract (Basic): EP 466389 A

File system for use in computer system includes one or more sets of secondary files. A second set of primary files has **contents** which include old **contents** (303, 305, 307) which are part of the **contents** of secondary files and **new contents** (311, 315) which are not part of the **contents** of secondary files.

USE/ADVANTAGE - **File system** in which user can select significant times to make backups and in which backups made at these times are as available to user as any other files. particularly suitable for **data** storage using **write once - read many** (WORM) devices. (16pp Dwg.No.3/7)

Title Terms: DIGITAL; COMPUTER; FILE; SYSTEM; COMPONENT; FILE; SYSTEM; READ ; WRITING; PRIMARY; FILE; SYSTEM; READ; DUMP; FILE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-009/00; G06F-011/14; G06F-012/00; G06F-015/20; **G06F-017/30**

International Patent Class (Additional): G06F-003/06; G06F-009/44; G06F-013/00

File Segment: EPI

17/5/20 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008717552 **Image available**

WPI Acc No: 1991-221571/199130

Related WPI Acc No: 1986-128128; 1986-128131; 1993-017789

XRPX Acc No: N91-169072

Image file system with memory - having automatic original feeder capable of avoiding incorrect image recording caused by double feeding or oblique feeding

Patent Assignee: CANON KK (CANO)

Inventor: ISHII H; WATAYA M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5003627	A	19910326	US 90503125	A	19900402	199130 B

Priority Applications (No Type Date): JP 84193874 A 19840918; JP 84186490 A 19840907; JP 84186491 A 19840907

Abstract (Basic): US 5003627 A

An image **file system** comprises a feeder for sequentially feeding a number of originals one-by-one to a predetermined position. A detector detects an abnormality in the feeding of an original fed by the feeder. A reader reads image **data** from the originals fed to the predetermined position, and outputs the image **data**. A first memory e.g. **optical disk** stores the image **data** outputted from the **reader**. The **first** memory is provided with a number of storage areas for storing the image **data** of the originals. A second memory stores **data** related to an array sequence of the image **data** stored in the storage areas of the first memory.

A controller controls the reader means so as to read the image **data** from the originals which are sequentially fed by the feeder to the predetermined position. A manager controls the first and second memory in such a manner that the first memory sequentially stored in the storage areas the image **data** sequentially outputted from the reader and the second memory stores the **data** related to the array sequence of the image **data** stored in the storage areas of the first memory.

ADVANTAGE - Originals are automatically detected, separated without interrupting continuous feeding of originals and read again for image recording after other originals have been read.

Dwg.8/16

Title Terms: IMAGE; FILE; SYSTEM; MEMORY; AUTOMATIC; ORIGINAL; FEED;

CAPABLE; AVOID; INCORRECT; IMAGE; RECORD; CAUSE; DOUBLE; FEED; OBLIQUE; FEED

Derwent Class: T01; T04; W02; W04

International Patent Class (Additional): G06K-009/20

File Segment: EPI

17/5/21 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008563279 **Image available**

WPI Acc No: 1991-067314/199110

XRPX Acc No: N91-052076

Image processing and storage apparatus - converts e.g. medical records for compatibility of removable stored media among different systems magnetic and optical disks

Patent Assignee: HITACHI MAXELL KK (HITM); UNIV CALIFORNIA (REGC)

Inventor: CHO P N S; HO B K T; HUANG H K; MORIOKA C A; RATIB O; SHINAGAWA T ; SONOBE T; HUANG H

Number of Countries: 015 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 415786	A	19910306	EP 90309556	A	19900831	199110 B
EP 415786	A3	19930421	EP 90309556	A	19900831	199401
US 5410676	A	19950425	US 89401146	A	19890831	199522
			US 92967558	A	19921027	
US 5471606	A	19951128	US 89401146	A	19890831	199602

			US 92967558	A	19921027	
			US 94212066	A	19940314	
EP 415786	B1	19990120	EP 90309556	A	19900831	199908
DE 69032904	E	19990304	DE 632904	A	19900831	199915
			EP 90309556	A	19900831	

Priority Applications (No Type Date): US 89401146 A 19890831; US 92967558 A 19921027; US 94212066 A 19940314

Cited Patents: NoSR.Pub; 1.Jnl.Ref; DE 3823252; EP 165382; EP 372703; US 4760526

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 415786	A		21		
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE					
EP 415786	A3		21		
US 5410676	A		16	G06F-015/40	Cont of application US 89401146
US 5471606	A		22	G11B-007/007	Cont of application US 89401146
					Div ex application US 92967558
					Div ex patent US 5410676
EP 415786	B1 E			G06F-017/30	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
DE 69032904	E			G06F-017/30	Based on patent EP 415786

Abstract (Basic): EP 415786 A

The system comprises an information processor having a specific operating system for processing selective medical data type information. An external storage reacts with the information processor. The storage has data and directories written and **read** in a **first** format based on the specific operating system. An external storage format converter converts the data and directories in the first format to data and directories in a second format.

A designator designates **different areas** for storing the data and the directories. An **optical disk** drive stores the data and the directories on an **optical disk**. The directories are stored sequentially starting from the inner track, and the data is stored sequentially starting from the outer track.

ADVANTAGE - Solves incompatibility problems between different conventional computer processing and storage systems. (21pp Dwg.No.1/10

Title Terms: IMAGE; PROCESS; STORAGE; APPARATUS; CONVERT; MEDICAL; RECORD; COMPATIBLE; REMOVE; STORAGE; MEDIUM; SYSTEM; MAGNETIC; OPTICAL; DISC

Derwent Class: S05; T01

International Patent Class (Main): G06F-015/40; G06F-017/30; G11B-007/007

International Patent Class (Additional): G06F-007/22; G06F-013/00

File Segment: EPI

17/5/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2002 Thomson Derwent. All rts. reserv.

008322080 **Image available**

WPI Acc No: 1990-209081/199027

XRPX Acc No: N90-162519

Staging method and system in electronic file - uses pointers of read key word or code information on management file

Patent Assignee: HITACHI LTD (HITA)

Inventor: OKAMI Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4934823	A	19900619	US 87117525	A	19871106	199027 B

Priority Applications (No Type Date): JP 86265487 A 19861110

Abstract (Basic): US 4934823 A

In a staging - system for an unrewritable storage medium such as an **optical disc** in which the updating or deletion of stored information is possible only by annotatively recording information

concerning the updating or deletion, information stored in the medium before any alteration or charge including addition, updating and deletion is made to the medium is staged on a staging file while positions of the read or staged information are stored on a management file.

The **last** end of the information staged on the staging file is detected by referring to the information positions stored on the management file. Then, information concerning the addition is additionally recorded at a location on the staging file after the previously staged information while information concerning the updating or deletion is used to **update** or delete the information on the staging file at a location indicated by the information concerning the updating or deletion.

USE/ADVANTAGE - Shortening search time when data are read and retrieved from e.g. **optical disc** . (12pp Dwg.No.2/7)

Title Terms: STAGE; METHOD; SYSTEM; ELECTRONIC; FILE; POINT; READ; KEY;

WORD; CODE; INFORMATION; MANAGEMENT; FILE

Derwent Class: T01

International Patent Class (Additional): **G06F-007/38** ; G06F-009/46

File Segment: EPI

17/5/23 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008222448 **Image available**

WPI Acc No: 1990-109449/199015

XPX Acc No: N90-084663

Multi-file transfer method to storage medium e.g. optical disk - providing rapid transfer of multiple files from one media to random access back-up media

Patent Assignee: ALPHATRONIX INC (ALPH-N)

Inventor: WHILSER J W

Number of Countries: 014 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 363135	A	19900411	EP 89310077	A	19891003	199015 B
US 5053945	A	19911001	US 88254274	A	19881006	199142
EP 363135	A3	19920115	EP 89310077	A	19891003	199321

Priority Applications (No Type Date): US 88254274 A 19881006

Cited Patents: NoSR.Pub; 1.Jnl.Ref; EP 263014; EP 273665; EP 86886; JP 62040562; US 754399

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 363135 A

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

Abstract (Basic): EP 363135 A

Each of several files includes file contents and has file location information. The contents of each file are stored in a contents buffer. The location information for each file is stored in an information buffer. When the contents buffer is a predetermined percentage full a portion of the contents of the buffer is written to the storage medium. Similarly, when the information buffer is a predetermined percentage full, a portion of the contents of the information buffer is written to the storage medium.

The writing of the contents buffer is performed separately from the information buffer. In both cases writing allocation information is written separately to the storage medium. The predetermined percentage for the contents buffer is different from that of the information buffer.

ADVANTAGE - Reduces number of write operations to storage medium by storing portions of files of same type in ring buffers until sufficient information is stored to transfer contents of ring buffer to disk.

(109pp Dwg.No.2/19)

Title Terms: MULTI; FILE; TRANSFER; METHOD; STORAGE; MEDIUM; OPTICAL; DISC;

RAPID; TRANSFER; MULTIPLE; FILE; ONE; MEDIUM; RANDOM; ACCESS; BACK; UP;
MEDIUM
Derwent Class: T01
International Patent Class (Additional): G06F-012/08; G06F-013/10;
G06F-015/41
File Segment: EPI

17/5/24 (Item 24 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

007535467 **Image available**
WPI Acc No: 1988-169399/198825
XRPX Acc No: N88-129536
Optical disc apparatus for mass data memory - uses pulse width
modulation for data reproduction. area and pulse position modulation for
recording reproducing area

Patent Assignee: MATSUSHITA ELEC IND CO LTD (MATU)
Inventor: MURAI K; SATOH I; USUI M
Number of Countries: 005 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 272135	A	19880622	EP 87311177	A	19871218	198825 B
JP 63157374	A	19880630	JP 86304274	A	19861219	198832
US 4821253	A	19890411	US 87132279	A	19871214	198917
EP 272135	B	19910925				199139
DE 3773352	G	19911031				199145

Priority Applications (No Type Date): JP 8769315 A 19870324; JP 86304274 A
19861219

Cited Patents: 1.Jnl.Ref; A3...8933; FR 2575857; No-SR.Pub; WO 8301334

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 272135	A	E	10		
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Designated States (Regional): DE FR GB

US 4821253	A		10		
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EP 272135	B				
-----------	---	--	--	--	--

Designated States (Regional): DE FR GB

Abstract (Basic): EP 272135 A

In the optical disc part of the sectors are reproduction only
(11A,11B,14A,14B) and remaining sectors are recording reproduction
sectors (12,15). Data and error correcting codes are recorded in
advance in the reproduction only sectors. Second error correcting codes
for data over a number of reproduction only sectors are recorded in
advance. At data reproduction, only sectors which are unrecoverable by
the first error codes undergo correction by the second codes. The
corrected data with the first error correcting codes being appended are
recorded in the recording-reproduction sectors.

Later, when data in sectors unrecoverable by the first error
correcting codes are needed, the recorded data sectors are read out.

ADVANTAGE - Large capacity reproduction-only area and is operative
in short access time.

1/8

Title Terms: OPTICAL; DISC; APPARATUS; MASS; DATA; MEMORY; PULSE; WIDTH;
MODULATE; DATA; REPRODUCE; AREA; PULSE; POSITION; MODULATE; RECORD;
REPRODUCE; AREA

Derwent Class: T03

International Patent Class (Additional): G11B-007/00; G11B-020/18

File Segment: EPI

17/5/25 (Item 25 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

06179063 **Image available**

MULTIBEAM TYPE **OPTICAL** **DISK** REPRODUCING DEVICE

PUB. NO.: 11-120612 [JP 11120612 A]
PUBLISHED: April 30, 1999 (19990430)
INVENTOR(s): SASAKI TOSHIHIRO
BABA TETSUYA
GOTOU SOUJIYU
KOIDE KIICHIRO
ITO SEIICHI
HARASAWA YOICHI
KITANO TOSHIAKI
APPLICANT(s): KENWOOD CORP
APPL. NO.: 09-297806 [JP 97297806]
FILED: October 14, 1997 (19971014)
INTL CLASS: G11B-007/14; G11B-007/09

ABSTRACT

PROBLEM TO BE SOLVED: To make it possible to surely execute reading of **data**.

SOLUTION: The adjacent plural tracks of the signal surface 1A of a CD-ROM 1 are irradiated with the five light beams 31 to 35 generated in an optical pickup 2A by an optical **system** including an **objective** lens 8. The **data** recorded in the respective tracks irradiated with the light beams 31 to 35 are simultaneously read by a recording **data** reproducing system from the detection outputs obtd. by detecting the respective return beams with photodetectors PD1 to PD5. The **data** are outputted in the recording order of the CD-ROM 1 so as to eliminate overlaps and omission. A system controller 50A executes the offset bias adjustment of a focus servo system **prior** to **reading** out of the recording **data**. At this time, the controller adjusts the signal surface 1A so as to come exactly to the middle of the focal points P3 and P1 of the light beams 33 and 31 when this surface is viewed in the optical axis direction of the objective lens 8.

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17/5/26 (Item 26 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

06066195 **Image available**
OPTICAL **DISK** APPARATUS

PUB. NO.: 11-007706 [JP 11007706 A]
PUBLISHED: January 12, 1999 (19990112)
INVENTOR(s): SUZUKI MINORU
APPLICANT(s): TOSHIBA CORP
APPL. NO.: 09-158679 [JP 97158679]
FILED: June 16, 1997 (19970616)
INTL CLASS: G11B-019/04; G11B-019/02; G11B-020/10; G11B-020/18;
G11B-020/18; G11B-007/00

ABSTRACT

PROBLEM TO BE SOLVED: To shorten a reproduction time by **reading first data** after sectors next to an error sector when the error sector occurs while a plurality of sectors of a range not filling one round of a track are being reproduced, and reproducing the error sector when an apparatus reaches the error sector.

SOLUTION: When an error sector that cannot be corrected occurs during reading of **sector data**, a **system** controller 14 calculates a time passed after the error sector and calculates an estimated wait time from a sector being read to the error sector. When the apparatus while continuing the **reading** reaches immediately **before** an estimated position, a focus tracking control circuit 6 is controlled to move the apparatus to an inner circumference of the track. When the apparatus comes to a position of the error sector, the apparatus reads **data** again with monitoring sector numbers and reloads a correction and buffer RAM 10. After the reloading, a

correction process and an EDC(error detection code) check for blocks are carried out again.

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17/5/27 (Item 27 from file: 347)
DIALOG(R)File 347:JAPIO
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03347661 **Image available**
ELECTRONIC **FILE SYSTEM**

PUB. NO.: 03-010561 [JP 3010561 A]
PUBLISHED: January 18, 1991 (19910118)
INVENTOR(s): HASUO KAMON
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 01-145668 [JP 89145668]
FILED: June 08, 1989 (19890608)
INTL CLASS: [5] H04N-001/00; H04N-001/21
JAPIO CLASS: 44.7 (COMMUNICATION -- Facsimile); 45.2 (**INFORMATION**
PROCESSING -- Memory Units
JAPIO KEYWORD: R002 (LASERS); R011 (LIQUID CRYSTALS); R098 (ELECTRONIC
MATERIALS -- Charge Transfer Elements, CCD & BBD); R131 (**INFORMATION**
INFORMATION PROCESSING -- Microcomputers & Microprocessors);
R138 (APPLIED ELECTRONICS -- Vertical Magnetic &
Photomagnetic Recording
JOURNAL: Section: E, Section No. 1049, Vol. 15, No. 121, Pg. 120,
March 25, 1991 (19910325)

ABSTRACT

PURPOSE: To reduce the entire original pickup time when plural originals are read by starting the paper feed of the next page on a prescribed page just after the tail end of a prescribed page of a prescribed original is carried up to the prescribed location and awaiting the succeeding page to the prescribed page **before** the original **read** start position till the picture **information** of the prescribed page is stored in a disk memory.

CONSTITUTION: A read position P3 is a position at which a CCD 25 reads picture **information** exposed by a light source (not shown) and a standby position P2 is a position at which a succeeding original is in standby till the storage of picture **information** of an original of one preceding page is finished in a magneto- **optical disk**. Rollers R1, R2, R3, R4, R5 carry the original placed on an original platen up to the read position. The CCD 25 reads the original while being carried. A paper feed sensor 3s and a CPU 11 start feeding a succeeding page of the prescribed page just after the tail end of the prescribed page of the prescribed original is carried to the prescribed position. The CPU 11 and the carrier roller R5 allow the succeeding page to the prescribed page to await **before** the original **read** start position (standby position P2) till the storage of picture **information** of the prescribed page is finished on the disk memory.

17/5/28 (Item 28 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

02817336 **Image available**
FILE SYSTEM

PUB. NO.: 01-114936 [JP 1114936 A]
PUBLISHED: May 08, 1989 (19890508)
INVENTOR(s): KOJO FUMIYASU
YAMAZAKI GIICHI
KATAOKA KENJI
APPLICANT(s): MATSUSHITA GRAPHIC COMMUN SYST INC [330729] (A Japanese
Company or Corporation), JP (Japan)
APPL. NO.: 62-273731 [JP 87273731]

FILED: October 29, 1987 (19871029)
INTL CLASS: [4] **G06F-007/28** ; G06F-012/00
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
42.5 (ELECTRONICS -- Equipment); 45.2 (INFORMATION PROCESSING
-- Memory Units)
JOURNAL: Section: P, Section No. 914, Vol. 13, No. 355, Pg. 148,
August 09, 1989 (19890809)

ABSTRACT

PURPOSE: To simply and rapidly **update** an individual index file by the main work of a host device in file updating processing such as the deletion or modification of an already registered document by forming an updating history list in a file device.

CONSTITUTION: In case of updating a document file 7 and an index file 9 by the registration of a **new** document and the deletion or modification of an already registered document in the file device 100, a file controller 4 enters the **updated** record in the updating history list 19 in a magnetic disk device simultaneously with updating. A host device 200 periodically requests the sending of **updated** records following the final serial number when the records exist in the history list 19. After receiving the **updated** records, the device 200 inspects an **optical disk** number 23, a document number 24, a processing sort 25, and accessory information 26 entered in the history list 19, determines information necessary for updating its index file 18 at the time of updating the file and requests the sending of the information to the device 100. Consequently, the file 18 can be simply and rapidly **updated** by the main work of the device 200.

Set	Items	Description
S1	70847	SYSTEM?(2N) (OBJECT? OR FILE? OR SECTOR? OR HEADER?)
S2	6950333	DATA OR CONTENT? OR INFORMATION?
S3	5960815	UPDATE? OR NEW OR NEWER OR REVISE? OR LATEST OR CURRENT? OR LAST
S4	84325	(DIFFERENT? OR OPPOSITE? OR DISCRETE?) (3N) (SECTOR? OR AREA? ? OR LOCATION? OR LOCAL? OR PLACE? OR END OR ENDS)
S5	13274	(FIRST OR INITIAL OR PRIOR OR BEFORE OR PRIMARY) (3N) (ACCES- S? OR READ?)
S6	46778	(OPTICAL OR WORM) (N) (DISK? OR DISC? ? OR STORAGE? OR MEMOR- ?) OR WRITE()ONCE()READ OR CDR OR CD()R OR DVDR OR DVD()R
S7	444	S1 AND S6 AND S2
S8	0	S3 AND S4 AND S7
S9	1	S7 AND S4
S10	1	S7 AND S5
S11	131	S1 AND S3 AND S6
S12	1	S4 AND S5 AND S6
S13	0	S4 AND S11
S14	0	S5 AND S11
S15	87	S1(10N)S6(10N)S2
S16	62	S1(5N)S6(5N)S2
S17	0	S16 AND S4
S18	15	S16 AND S3
S19	0	S16 AND S5
S20	10	S1(5N)S3(5N)S6
S21	28	S9 OR S10 OR S12 OR S18 OR S20
S22	28	S21 NOT PY>2000
S23	28	S22 NOT PD>20000502
File	8: Ei Compendex(R) 1970-2002/Aug W1	(c) 2002 Engineering Info. Inc.
File	77: Conference Papers Index 1973-2002/Jul	(c) 2002 Cambridge Sci Abs
File	238: Abs. in New Tech & Eng. 1981-2002/Jul	(c) 2002 Reed-Elsevier (UK) Ltd.
File	35: Dissertation Abs Online 1861-2002/Jul	(c) 2002 ProQuest Info&Learning
File	202: Information Science Abs. 1966-2002/Jul 03	(c) Information Today, Inc
File	65: Inside Conferences 1993-2002/Aug W1	(c) 2002 BLDSC all rts. reserv.
File	2: INSPEC 1969-2002/Aug W1	(c) 2002 Institution of Electrical Engineers
File	94: JICST-EPlus 1985-2002/Jun W2	(c) 2002 Japan Science and Tech Corp(JST)
File	233: Internet & Personal Comp. Abs. 1981-2002/Aug	(c) 2002 Info. Today Inc.
File	6: NTIS 1964-2002/Aug W3	(c) 2002 NTIS, Intl Cpyrghrt All Rights Res
File	144: Pascal 1973-2002/Aug W1	(c) 2002 INIST/CNRS
File	434: SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 1998 Inst for Sci Info
File	62: SPIN(R) 1975-2002/Jul W2	(c) 2002 American Institute of Physics
File	99: Wilson Appl. Sci & Tech Abs 1983-2002/Jun	(c) 2002 The HW Wilson Co.

Set	Items	Description
S1	193845	SYSTEM?(2N) (OBJECT? OR FILE? OR SECTOR? OR HEADER?)
S2	16310216	DATA OR CONTENT? OR INFORMATION?
S3	255081	(DIFFERENT? OR OPPOSITE? OR DISCRETE?) (3N) (SECTOR? OR AREA? ? OR LOCATION? OR LOCAL? OR PLACE? OR END OR ENDS)
S4	258	S1(4N) (FIRST OR INITIAL OR PRIOR OR BEFORE OR PRIMARY) (3N) - (ACCESS? OR READ?)
S5	114763	(OPTICAL OR WORM) (N) (DISK? OR DISC? ? OR STORAGE? OR MEMOR- ?) OR WRITE()ONCE()READ OR CDR OR CD()R OR DVDR OR DVD()R
S6	12970	S5(5N) (UPDATE? OR NEW OR NEWER OR REVISE? OR LATEST? OR CU- RRENT? OR LAST?)
S7	2	S4(S)S6
S8	5	S4 AND S6
S9	18	S5 AND S4
S10	2	S1(S)S2(S)S3(S)S5
S11	178	S6 AND S3
S12	28	S11 AND S1
S13	48	S7 OR S8 OR S9 OR S10 OR S12
S14	36	RD (unique items)
S15	35	S14 NOT PY>2000
S16	34	S15 NOT PD>20000524
File 275:Gale Group Computer DB(TM) 1983-2002/Aug 08 (c) 2002 The Gale Group		
File 47:Gale Group Magazine DB(TM) 1959-2002/Aug 07 (c) 2002 The Gale group		
File 636:Gale Group Newsletter DB(TM) 1987-2002/Aug 08 (c) 2002 The Gale Group		
File 16:Gale Group PROMT(R) 1990-2002/Aug 08 (c) 2002 The Gale Group		
File 624:McGraw-Hill Publications 1985-2002/Aug 08 (c) 2002 McGraw-Hill Co. Inc		
File 484:Periodical Abs Plustext 1986-2002/Aug W1 (c) 2002 ProQuest		
File 613:PR Newswire 1999-2002/Aug 08 (c) 2002 PR Newswire Association Inc		
File 813:PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc		
File 239:Mathsci 1940-2002/Sep (c) 2002 American Mathematical Society		
File 370:Science 1996-1999/Jul W3 (c) 1999 AAAS		
File 696:DIALOG Telecom. Newsletters 1995-2002/Aug 07 (c) 2002 The Dialog Corp.		
File 621:Gale Group New Prod.Annou.(R) 1985-2002/Aug 08 (c) 2002 The Gale Group		
File 88:Gale Group Business A.R.T.S. 1976-2002/Aug 08 (c) 2002 The Gale Group		
File 15:ABI/Inform(R) 1971-2002/Aug 08 (c) 2002 ProQuest Info&Learning		
File 810:Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire		
File 647:CMP Computer Fulltext 1988-2002/Aug W2 (c) 2002 CMP Media, LLC		
File 98:General Sci Abs/Full-Text 1984-2002/Jun (c) 2002 The HW Wilson Co.		
File 148:Gale Group Trade & Industry DB 1976-2002/Aug 08 (c)2002 The Gale Group		

16/3,K/1 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02141820 SUPPLIER NUMBER: 20163881 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Desktop PCs: The next generation. (includes related articles on protecting system data and selecting an operating system) (Buyers Guide)

Poor, Alfred

Computer Shopper, v17, nguide, p114(5)

Dec 15, 1997

DOCUMENT TYPE: Buyers Guide ISSN: 0886-0556 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4053 LINE COUNT: 00310

... look at removable drives capable of storing even more data, like a 650MB CD-recordable (**CD - R**) drive, SyQuest's 1.5GB SyJet cartridge-based hard drive, or the Panasonic PD/CD...Desktop, Shell Integration, and Web View--this option lets you use Internet Explorer as your **primary** interface, conducting all of your **system** navigation and **file access** capabilities through the browser.

While this may seem intimidating for some users, the browser metaphor

...

16/3,K/2 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01866225 SUPPLIER NUMBER: 17622938 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Feel the burn. (eight CD-recordable drives reviewed) (includes related articles on CD-ROM jargon, dedicated systems combining CD recorders and hard drives) (Hardware Review) (Evaluation)

Wasson, Gregory

MacUser, v12, n1, p86(9)

Jan, 1996

DOCUMENT TYPE: Evaluation ISSN: 0884-0997 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3861 LINE COUNT: 00297

... Worse, GEAR requires every recording

session to be a copy of a complete HFS (Hierarchical **File System**) volume. This means that if you want to back up only selected folders from your...

...offers inadequate guidance for doing it manually. Important details for complicated procedures are scattered in **different places** in the manual, and the skimpy index makes them hard to find.

In addition, GEAR...

...session by issuing the Finalize command, which completes the write process by creating a new, **updated** directory on the CD-ROM. **CD - R** Access is incredibly easy to use and is ideal for personal-backup purposes. Its main...game and entertainment discs that work with special players connected to television sets.

HFS (Hierarchical **File System**): A format that creates an exact copy of a Mac volume, complete with nested folders...

16/3,K/3 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01766024 SUPPLIER NUMBER: 16702614 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Creo outlines future: film scanner, larger platesetters. (PlateMaster and Platsetter family) (includes related article on Drupa product development)

Smith, Patricia J.

Seybold Report on Publishing Systems, v24, n12, p12(3)

Feb 27, 1995

ISSN: 0736-7260 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2038 LINE COUNT: 00153

... ll report some of the things that transpired during our visit.
Product lines, old and **new** . Creo no longer has its **optical - storage** business, having sold it to EMASS, Inc., of Garland, TX, late last year so it...

...optional approval, a hard proof and optional approval, platemaking, archiving onto tape or disk, and **file** deletion.

The **system** also includes Overture software, which allows for on-screen previewing of rasterized files to confirm...

...or utilize a yet-to-be-designed tool.

In either case, Creo suggests that two **places** on **opposite ends** of the film be registered to ensure fidelity across the scan. To help maneuver around...

16/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

01628098 SUPPLIER NUMBER: 14770217 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IFRA '93 review: an industry riding the crest of a slump. (IFRA European newspaper equipment exhibition) (includes related article on trade show rumors)

Edwards, Stephen E.; Neeff, David; Tribute, Andrew
Seybold Report on Publishing Systems, v23, n6, p3(37)
Nov 8, 1993

ISSN: 0736-7260 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 29699 LINE COUNT: 02288

... IBM and Siemens products are still being sold, installed and maintained at newspapers.

At the **opposite end** of the spectrum are the Scandinavians, who involve all departments in the buying process. Unlike...these were shown in completed or nearly completed form and the new items delved into **different areas** (see below).

In checking the progress of last year's introductions, we found the ad ...Xpress for dummyping. The text object of the required copy is then dragged from the **file system** in the appropriate desk and dropped onto the layout. Story elements, such as the headline...about 30 customers, located in Switzerland, Austria and Germany.

At IFRA, Inline unveiled a brand- **new** photo archival system based on **optical disc** jukeboxes, multiprocessing

16/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

01607974 SUPPLIER NUMBER: 14028501 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Bulletin boards. (Directory)

Computer Shopper, v13, n8, p577(26)
August, 1993

DOCUMENT TYPE: Directory ISSN: 0886-0556 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 46550 LINE COUNT: 03560

... 55m with Hayes at up to 2400 bps. Established 02/92; no fee.
Construction info & **files** . Public **system** . Access on 1st call. Questions answered, PEACHTREE discussion.

Modesto 525-9985. The Punchline BBS; sysop...Robotics at up to 38400 bps. Established 06/91; no fee. Reseller's tech BBS, **new** /surplus hw sales, **optical storage** /imaging/CD-ROM. HST duals.

San Diego 224-6363. San Diego Matchmaker; sysop Rick Farris...92; \$6 monthly. One week free access to new callers. Links with out of state

systems , files /mail/SIGs/games.

Merritt Island (KSC Area) 459-0969. SpaceCon/Space Station BBS; sysop Tom...5a with Practical Peripherals at up to 9600 bps. Established 02/93; no fee. Open **system** with many **files** , doors, and active message bases.

Atlanta 972-4999. Graffiti BBS; sysop Jim Maddox/Ric Helton...06 with US Robotics at up to 19200 bps. Established 02/91; no fee. Great **system** with doors, **files** , and mega mail areas. Includes all types of files!

Savannah 927-7323. The American Connection...

...60M with US Robotics at up to 14400 bps. Established 07/92; no fee. Multiline **system** . CDs, **file** nets (PDN, SDN, DVNet, etc.), message nets (Fido, StormNet, RushNet), more.

Warner Robins 929-1073...Practical Peripherals at up to 19200 bps. Established 10/16; no fee. Circuit-Net mail **system** . Doors and **files** .

Libertyville 816-3231. Club Sierra BBS; sysop Tim Rudolph. 1 line--386; 120Mb; Spitfire 3...bps. Established 01/92; no fee. Amiga 2500 receiving all major Amiga message echoes, Amiga **file** distribution **system** hub and more.

Muscantine 264-0013. The Dark Avenger; sysop Brian Pressler. 2 lines--386...at up to 9600 bps. Established 10/91; \$15 biannual. GT-Power support, international mail **system** , general **files** . Two lines, 1.1Gb shareware. 100 libs.

Overland Park 642-2526. Computer Specialties; sysop Bruce...01 with Boca at up to 14400 bps. Established 12/92; no fee. A great **system** . **File** base growing daily. Ne-Net node. Games! No ratios. No handles.

Wilbraham 596-6684. The...at up to 2400 bps. Established 02/91; no fee. 700+Mb of files, 60 **different** **file** **areas** , free BBS, message bases, 14.4 modem soon!

Marblehead 631-4029. Cambridge DataWorks; sysop Michael...60M with Practical Peripherals at up to 14400 bps. Established 02/91; no fee. Multiline **system** with 40000+ **files** . GlobalNet hub, Fido, and local conferences. More.

Portage 342-9057. Satan's Workshop; sysop Damien...

16/3,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01555410 SUPPLIER NUMBER: 13723779 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IBM announcements.

Computergram International, CGI12080006
Dec 8, 1992

ISSN: 0268-716X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1030 LINE COUNT: 00085

... is IBM Corp's first release of software that tackles the problem of users in **different** **places** wanting to communicate and work on a single piece of work. The OS/2 Presentation...

...10 costs \$1,875 and additional licences \$250.

The 3995 Optical Library is a complete **optical** **disk** server

The **new** IBM 3995 Optical Library and Dataserver Models 021 and 121 use rewritable magneto-optic technology...

...Ethernet networks, coexist with Novell Inc NetWare networks, Transmission Control Protocol/Internet Protocol and Network **File** **System** networks, and Advanced Program-to-Program Communications attachments compatible with IBM SAA ImagePlus Workfolder Application...

...controller, and an interactive keyboard and display. IBM has developed a custom High Performance Optical **File** **System** specifically for accessing optical media. These models should be available on December 18. Prices are

16/3,K/7 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01527298 SUPPLIER NUMBER: 12391986 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Image is (nearly) everything. (HP's Advanced Imaging Management System
image processing technology) (includes related article on overlapping
technologies) (3000/9000)**
Sharp, Bill
HP Professional, v6, n7, p32(5)
July, 1992
ISSN: 0896-145X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2587 LINE COUNT: 00205

... to change that by building a centralized research system based on
HP AIMS. "The process **before** was completely manual **access**. The
objective of this **system** is to redesign the business research process to
impact HP's profitability. There is no...in size. Other typical elements in
an imaging system include magnetic storage for the server, **optical**
storage for image data, scanner, scanning station personal computer,
display personal computer stations for imaging work...

16/3,K/8 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01448217 SUPPLIER NUMBER: 11232699 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Print '91 prepress preview: expect a focus on color. (Cover Story)
Seybold Report on Publishing Systems, v20, n22, p13(25)
August 23, 1991
DOCUMENT TYPE: Cover Story ISSN: 0736-7260 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 19081 LINE COUNT: 01583

... DL Pager, a high-speed batch pagination and composition system for
high-volume publishing. The **system** composes text **files** and graphics
into complete pages for output to almost any media. Datalogics will be
demonstrating...are performed by separate units, so the setup station and
the recording unit can be **placed** in **different** parts of the work area.

The Scanart 330 system, like the Scanart 450II (which will...16
photos can be displayed simultaneously. Images can be stored on Vaxes,
magnetic tape or **optical discs**. JPEG data compression is supported.

New items to be shown are a commercial plate scanner and a web
graphics inspection system...will also show the Photone PrePress
professional color separation software and its Leaf Picture Desk **File
Management System**.

Leaf equipment will be exhibited also in the booths of Autographix,
Linotype-Hell, Pre-Press...

...a floppy disk drive.

ScriptMaster II. Linotype-Hell's recently announced product for
bringing PostScript **files** into ChromaCom **systems**, ScriptMaster II, will
make its North American premier at Print. It is a more powerful...the
recently released Link Express, which connects a wide variety of formats
and devices. The **system** rasterizes PostScript **files** from the Macintosh
and PC-based desktop publishing systems and transfers them to
high-resolution...a color system and retrieve those images from a database
before loading the large data **file** onto the **system**. After certain known
information is keyed into the system, Image Access software searches for a
...

16/3,K/9 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01385597 SUPPLIER NUMBER: 09683337 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Integrating the optical library unit into the HP-UX operating system.
(technical)
Stolte, Daryl C.; Thompson, Bruce A.; Ellis, David

Hewlett-Packard Journal, v41, n6, p11(2)

Dec, 1990

DOCUMENT TYPE: technical ISSN: 0018-1153 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2063 LINE COUNT: 00157

...ABSTRACT: main goals of the design of the Hewlett-Packard Series 6300 Model 20GB/A rewritable **optical disk** library were to have an integration method that hides as much as possible the requirement...

The HP Series 6300 Model 20GB/A rewritable **optical disk** library autochanger is unlike any other peripheral supported on the HP-UX operating system and...

...etc.) on the HP-UX operating system.

Design Choices

The accepted way of integrating WORM (**write once . read many**) autochangers relies heavily on the application, An application is provided with low-level control...

...a Lengthy fsck. The superuser must execute the mount command for each surface to be **accessed before** users can perform **file system** operations to the autochanger. Normal Winchester disks require a file system check if the power...

DESCRIPTORS: **Optical Disk Drive...**

TRADE NAMES: HP 6300 (**Optical disk** drive...

16/3,K/10 (Item 10 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01357018 SUPPLIER NUMBER: 08055018 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Image system for student applications gets high marks at USC: gains competitive advantage, speeds processing. (University of Southern California; Wang Integrated Image System)

Zimmermann, Kim Ann

MIS Week, v10, n3, p14(2)

Jan 15, 1990

ISSN: 0199-8838 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1139 LINE COUNT: 00088

... the host system. Once a decision has been made, the documents are permanently stored on **optical disk** .

Evaluated systems

Myers said he evaluated several image-based systems before deciding on Wang; It...

...information, which was not the case with the previous system.

"Now, any counselor can have **access** to any **file** on the **system** at any time. **Before** , if more than one person was working on a particular file, the paper had to...

16/3,K/11 (Item 11 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01318081 SUPPLIER NUMBER: 07849154 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Optical storage inches toward standards. (includes a related article on WORM drives vs rewritable optical drives)

Williams, Tom

Computer Design, v28, n19, p51(5)

Oct 1, 1989

ISSN: 0010-4566 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3444 LINE COUNT: 00266

... to reconstruct earlier file versions.

A similar approach is taken by the Wormware product from **Optical Storage Solutions** (Concord, CA). OSS (**Optical Storage Solutions**) has implemented an independent **file system** under which **data** files grow sequentially from one end of the disk. From the **opposite end**, what the company calls "control records" grow until the files and records meet. At that...

...file directory, but are those tables and pointers that are permanently associated with the nonerasable **data**. The OSS **file system** uses a magnetic disk to cache the directory. If the directory is lost or corrupted ...

16/3,K/12 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
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04169872 SUPPLIER NUMBER: 16281135 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mass storage systems for digital data, with strategies for increasing capacity and improving speed and economy.
Barber, David
Library Technology Reports, v30, n4, p447(80)
July-August, 1994
ISSN: 0024-2586 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 38363 LINE COUNT: 02923

...ABSTRACT: is presented. The technologies include hard disk, optical and tape storage. Mixing storage technologies, interfaces, **file systems** and networks are also discussed.

... Storage Devices 513
Copyright Considerations 513
Hierarchical Storage Management (HSM) 514
HSM Implementations 515
INTERFACES, **FILE SYSTEMS**, NETWORKS, AND MASS STORAGE 521
Device Interfaces 521
File Systems 523
Networks 525
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INTRODUCTION
An ever-increasing array of electronic information is being...

...a mass storage device, such as an optical jukebox, appear as a part of the **file system** of the computer to which it is attached. HSM or other software may be used to accomplish this purpose. The computer itself can require network **file system** software if its storage space is to be available to other computers and appear also as a part of their **file system**. This adds a layer of complexity to the selection of mass storage solutions. Financially, tradeoffs...probably be multiple simultaneous demands for stored information. Other network files server software like the Andrew **File System**, which does not currently support multiprocessing, will force one request for stored information to be...operating systems may make it more desirable to implement the storage system with a network **file system** like NFS or AFS, where there are clients available for many types of operating systems...

...storage devices can also sometimes be installed in client server settings. With HSM and network **file systems**, there are servers that have the mass storage devices. These servers also are running server...is needed 8 KB is being read.

Software also affects speed in another significant way. **File systems** are usually implemented through software; RAID is also sometimes implemented in the same way. This...

...the design of this software can be more or less efficient in its operation. The **file system** can make a device such as a jukebox work more slowly than the specifications for...capacity of the purchased media is available for actual storage. In addition, some network operating **systems** or **file systems** store additional information on a disk.

Netware stores hotfix information on disks. AFS creates a...which changes the direction of the magnetic polarization. This in turn causes the optical disk **area** to reflect light **differently**. Although an **area** to which data need to be written must first be erased--a step that phase...computer, it is first necessary to make the jukebox appear as a part of the **file system** of the host computer. There are two principal ways to do this.

First, a magnetic to make the disks available is to make multiple disks appear as one **file system**. These functions are usually accomplished by software bundled with the jukebox by value-added resellers ...

...into special processors.

Hierarchical storage management (HSM) software can also be used to perform these **file system** integration functions. Many HSM packages can manage files both on hard disks and optical jukeboxes.

File system integration is not the only chore for jukebox software. The software can do a number...each of which needs files on the same disk; or a number of requests at **different places** in the job queue that also need information from that disk might be met before...and have it still appear as if it were a part of the user's **file system**.

In libraries tape is used both for backup and for storage and distribution of information...those devices.

HSM 4

A key addition at this level is support for distributed storage **systems**. **Files** can be migrated from both workstation clients and network servers. These client and server computers...

...should be handled. This creates a greater ability to tune the performance of the HSM **system**. **Files** may be classified and rules specified for the entire set of storage devices managed by...

...for multiple information systems, an HSM could migrate the files for the less-used information **systems** -or the **files** for information **systems** with large **files** -more than others. This will mean that the users of different parts of the electronic...
...HSM.

HSM systems also sometimes use proprietary file structures to hold migrated information. The migrated **file system** may not be stored in its original form, or in a popularly used compressed form...way to determine which item is desired.

Another basis for migration can be time. HSM **systems** can allow **file** migration to occur at some set of regularly scheduled intervals. Specific files could be migrated...This growing complexity may force system administrators to use more system tools like HSM.

INTERFACES, **FILE SYSTEMS**, NETWORKS, AND MASS STORAGE DEVICE INTERFACES

Any storage device must be connected to a computer...of SCSI. This kind of an interface is not usually offered on most storage devices.

FILE SYSTEMS

For any combination of storage system and host computer, there must be some software in...

...a particular file, or how to get that file back. These are roles played by **file systems** and device drivers.

a storage device will be connected to the host computer by some...

...the needed device drivers.

In addition to device drivers, it will be necessary for the **file system** of the host computer to be able to work with the purchased storage device. There are several key issues to be remembered about **file systems**. First, any operating **system's file system** will have limits on the size of files it can work with and on the...

...of a physical storage device, which are sometimes called volumes, or in UNIX are called **file systems**. The operating system can prevent more than a specified amount of storage capacity being included on the chosen storage device. If an operating **system** cannot support **file spaces** larger than 2 GB, and space for 50 GB of files is needed, the...

...the same things as HSM 2. Since the jukebox or library software constructs an artificial **file system** for the host computer, it keeps a file of information about what is stored on...

...may be a network operating system such as Novell Netware. It may also be network **file system** software like NFS or AFS. To implement a file server, software is needed. The file...

...log in to the file server before using it. With AFS or NFS, the remote **file system** may seem permanently attached to the computer being used, although AFS will regularly require the...

...file server software works. The files will not appear as part of the user's **file system**, however. It will be necessary to explicitly request and receive a file before it is...

...is needed is transmitted. This adds to the expense of the computer for the storage **system**.

If a **file** server configuration were to be used for very large files, the following kind of situation...that can be bundled with a computer on which a WWW server is installed.

Network **file systems** like NFS or AFS, or network operating systems like Netware, can also affect the choice...magic. PC Magazine 13 (6):227-72.

Hadden, T. 1994. Hierarchical storage management extends the **file system**. NTJ: Netware Technical Journal 2 (2):25-27.

Henderson, T. 1994. RAID hits Main Street...

...R. 1994. Novell's storage middleman. PC Magazine 13 (6):256.

McCormick, J. 1994. The new **optical storage** technology including multimedia, CD- ...83-98.

Reinhardt, A. 1994. Managing storage. Byte 19 (6):153-60.

Richards, A. 1992. **File system** approach for integrating removable media jukeboxes. In Jukebox and Robotic Libraries for Computer Mass Storage ...Conn.: Meckler, 81-91.

Tobagi, F., et al. 1993. Streaming RAID--A disk array management **system** for video **files**. In Proceedings, ACM International Conference on Multimedia, Aug. 1-3, 1993. New York: ACM, 393...

16/3,K/13 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
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02583705 SUPPLIER NUMBER: 03451758 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The mass storage squeeze.

Moore, Steve

Datamation, v30, p68(7)

Oct 1, 1984

CODEN: DTMNA LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 4887 LINE COUNT: 00385

... Filenet (Costa Mesa, Calif.), and Matsushita (Secaucus, N.J.), have developed optical document and microimage **file systems** intended to interconnect three basic information-handling functions: microfilm and paper storage, magnetic and optical...

...used to interactively connect imaging systems, optical disks, high-resolution workstations, and printers.

Yet another new optical application involves read-only **optical disks**, which are most useful for storing information that is updated relatively infrequently (perhaps once a month or less) and is intended to be distributed to many users in **different locations**. Two companies who hope to create a big new market in electronic publishing on read...
...people could own the information and browse through it at length and at leisure.

Erasable **optical disks** are more troublesome. There are **currently**

three active technologies for making optical media erasable--magneto-optic, phase-change, and polymer dye...development. "When a system oem starts to develop a specialized system to use something as **new** and different as an **optical disk** drive, I think you can expect a pretty extensive system development time period," Porter predicts...

16/3,K/14 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03863372 Supplier Number: 45543130 (USE FORMAT 7 FOR FULLTEXT)
TOTAL STORAGE MANAGEMENT: THE PATH TO PROFITABLE HSM
VARbusiness, p63
May 15, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1338

... tape drive. The system takes care of all that for us, and when the user **accesses** the **files** again, the **system** automatically brings them back to **primary** storage.' The HSM system allows the MARC Group to reduce storage costs and keep their...backup storage devices.

'We'll try to take advantage of whatever they already have, whether **optical storage** or tape autoloaders, and make it an integrated and seamless part of their total solution...

16/3,K/15 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02092106 Supplier Number: 42708280 (USE FORMAT 7 FOR FULLTEXT)
Control the paper war
Aerospace World, p76
Feb, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 360

... project SONIA.

The documents are collated and scanned into an integrated Document Image Processing (DIP) **system**, utilising **Filenet** technology. The **system** allows both **data** retrieval menus and the actual **data** required to be displayed side by side on the system simultaneously. DIP technology traditionally allows...

...of images and text files from within individual workstations, but Aerospatiale wanted to address stored **information** across a number of systems in **different locations**. BASISplus, supplied by **Information Dimensions**, was chosen to do the job, hosted on a Digital VAX computer, networked to the bank of **optical disks**.

With BASISplus users are able to locate any document in the collection, based on its...

16/3,K/16 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01602957 Supplier Number: 41974464 (USE FORMAT 7 FOR FULLTEXT)
SUPERSERVERS: JUGGLING PERFORMANCE, RELIABILITY & MANAGEABILITY
Network Computing, p49
April, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 3663

... resources--for example, if data security must be maintained by storage on separate servers at **different locations** . In this case, powerful PC servers like the IBM PS/2 Model 95 or ALR...superserver can store up to two terabytes of information, most of it in near-line **optical storage** .

Performance gains from **new** hardware come with a hefty price tag. Because they claim to be able to improve...like IPI.

Controlling these devices are often special processors that handle only a machine's **file system** . This increases total system efficiency by offloading work from the main CPU, which is free...

16/3,K/17 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2002 ProQuest. All rts. reserv.

04584141 SUPPLIER NUMBER: 47627246 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Pioneer DVD-S201 4.7GB DVD-Recorder
Bennett, Hugh
Emedia (LDP), v12 n12, p31-34, p.4
Dec 1999
ISSN: 1525-4658 JOURNAL CODE: LDP
DOCUMENT TYPE: Product Review-Favorable
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2634

TEXT:

... rewritable DVD products fight it out for a share of the removable storage market, DVDRecordable (**DVD - R**) remains the undisputed choice for DVD authoring applications. Enjoying physical compatibility across all DVD devices, **DVD - R** discs are commonly used for making proof-of-concepts and prototypes by DVD-Video and...

...or real-time recording speed (1.32MB/sec transfer rate roughly equivalent to an BX **CD - R** recorder), the DVRS201 writes a full 3.95GB disc in approximately 50 minutes and a...
...an external model.

To achieve full 4.7GB capacity, the DVR-S201 complies with the **latest DVD - R** specification, and uses **new** discs with a tighter track pitch and a slower velocity to achieve smaller and more tightly packed marks. [For a thorough explanation of **DVD - R** technology, see Bennett, July 1998, pp. 3044Ed). Both 3.95GB and 4.7GB discs are...

...t sanction 4.713B products until the official release of version 2.0 of the **DVD - R** specification (expected sometime in December 1999). However, Pioneer decided to market the DVR-S201, utilizing...

...Setting up the DVR-S201 is fairly straightforward and similar to configuring a SCSI **CDR** recorder. Take note, however, that the active device management routines of Windows 95, 98, and...

...Uninterruptible Power Supply (UPS).
copy protection

Undeniably one of the most hotly debated topics surrounding **DVD - R** is the issue of copy protection. As a result, Pioneer and the DVD Forum have...

...key area to deter copying. This is slightly altered under version 2.0 of the **DVD - R** specification so that when the industry changes over to 2.0, all **DVD - R** discs will have their key area prewritten at the factory with similar dummy information.

Also...

...identification] that the discs being played are authentic and not just pressed titles copied onto **DVD - R** media.

DVD-recording software

For those not using the DVR-S201 with high-end turnkey...DVD-ROM drive to the DVP-S20 1.

In addition, the DVD Rep software writes **DVD - R** discs on the DVPS201, or **CD - R** /RW discs on the most popular **CDR** /RW recorders in DVD-Video format from previously authored VIDEO-TS and AUDIO...

...IS directory structures. This ability to write **CD - R** and CD-RW discs in DVD-Video format is an important feature, since it allows...

...ROM drives and a couple of set-top DVD players will read DVD-Video-formatted **CD - R** or CD-RW discs.

Ruining a \$40 disc is an expensive mistake for anyone, so...

...number of significant shortcomings that reduce its usefulness for some professional and commercial applications. Since **DVD - R** discs **currently** cannot be used as input sources for pressed disc replication, the most obvious limitation of...

...to disc; automatic overrides to permit the use of ISO 9660 level 3 or Joliet **file systems** ; manual **file** attribute control; and **access** to the **Primary** Volume Descriptor for including publishing and copyright information.

Finally, rounding out the software included with...

...DVD-Recorder.

a gigabyte isn't a gigabyte

When authoring DVD-ROM titles or using **DVD - R** in data storage applications, its important to keep in mind the actual gigabyte (GB) capacity of the two standard types of discs. Although manufacturers state that **DVD - R** media holds either 3.95GB or 4.7GB of information, the actual storage capacity of...However, a number of anomalies were encour@tered, which serve as an important reminder that **DVD - R** (and DVD technology itself) is still evolving. For example, some of the DVD-ROM drives...

...In addition to these limited test results, Pioneer indicates that there are known problems playing **DVD - R** discs in some DVD-Video players as well as in several models of Toshiba DVD-ROM drives.

The history of **CD - R** has taught us that physical and logical compatibility can take years to refine. The issues...

...pursuit of the mass market. It should therefore come as no surprise that achieving seamless **DVD - R** interchangeability is going to take time.

Thus, for the foreseeable future, compatibility should not be...

...using the DVR-S201. For example, just as the transition between 63 and 74-minute **CD - R** discs introduced interchange issues for **CD - R** recorders, CD-RDM drives, and audio players, so also the decrease in track pitch and mark size from 3.95GB to 4.7GIB **DVD - R** discs will result in com-- patibility challenges for DVID-Recorders, DVD-ROM drives, and DVD...

...users should take time to investigate those products having a solid reputation for reliability with **DVD - R** .

the bottom line

It's tempting to think of the DVR-S201 as just an over, grown **CD - R** recorder, but that would be missing the point. At present, **DVD - R** technology is still evolving, and today remains best suited for industrial and professional applications. True to its promise, Pioneer has delivered and brought 4.7GB **DVD - R** capability to market with a very credible product. Limitations aside, the DVR-S2D1 should quickly...

...DVD-Video and DVDROM title developers alike. How the future will unfold for mass market **DVD - R** acceptance is still to be decided. -zi

pioneer DVR-S201 4.7GB DVD-Recorder

synopsis:

True to its promise, Pioneer has delivered and brought 4.7GB **DVD - R** capability to market with a very credible product. Limitations aside, the DVR-S201 should quickly...

...Video and DVD-ROM title developers alike. How the future will unfold for

mass-market DVD - R acceptance is still to be decided.
price
\$5,400
for more information, contact:
Pioneer New...

...Ontario, Canada offering CD and DVD-POM recording, replication, and consulting services as well as CD - R /RW and DVD - R /RAM hardware, duplication systems, software, and blank media

16/3,K/18 (Item 2 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
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03779941 (USE FORMAT 7 OR 9 FOR FULLTEXT)
In DVD's own image: DVD-recordable technology and promise
Bennett, Hugh
EMedia Professional (LDP), v11 n7, p30-44, p.11
Jul 1998
ISSN: 1090-946X JOURNAL CODE: LDP
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3307

TEXT:

... and document imaging. Industry analysts like John Freeman, President of Strategic Marketing Decisions, envision exciting new application areas for consumers where DVD - R "might become part of a home PC entertainment workhorse that lets you put together multimedia...

...of the optical package and use of a gold reflective layer, the recording side of current DVD - R discs appears violet instead of the green, yellow-gold, and blue colors now associated with...

...of the optical package, and use of a gold reflective layer, the recording side of current DVD - R discs appears violet instead of green, yellow gold, and blue-the colors now associated with...disc and recorder combination.

This is accomplished by writing test patterns in the Power Calibration Area (PCA) at different laser powers and reading them back to look for differences (asymmetry or beta) between the...likely prove to be less than advertised. Taking into consideration lead-in, lead-out, and file system overhead, the available usable space on a 3.95GB DVD-R disc will average 3 ...

...in terms of technological challenge, there are dissenting opinions from inside the DVD Forum that DVD - R, as currently envisioned, will hit a speed barrier that will prevent future growth into critical areas, such...

...version 1.02 (UDF Bridge) format. Since bridge discs contain both UDF and ISO 9660 file systems, broad compatibility is maintained with existing and future operating systems. For example, written discs are... published data, however, it is too early to gauge the longevity and overall durability of DVD - R media. As with any new technology, it is prudent to be alerted to potential concerns and obtain confirmation before entrusting...

...STEP

Read compatibility with all DVD devices and a disc capacity of 3.95GB make DVD - R currently the only technology which satisfies the professional DVD market's hunger for project prototyping. But...

16/3,K/19 (Item 3 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2002 ProQuest. All rts. reserv.

02592819 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Minimizing the multisession muddle

Straughan, Deirdre

CD-ROM Professional (LDP), v8 n11, p98-99

Nov 1995

ISSN: 1049-0833 JOURNAL CODE: LDP

DOCUMENT TYPE: Commentary

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1748 LENGTH: Long (31+ col inches)

TEXT:

... WO) standard lays down the law for multisession as it does for other aspects of **CD - R**, but unfortunately, the standard is poorly understood, rarely adhered to, and never enforced.

Consequently, a...

...files recorded in previous sessions by dropping their addresses from the file system when a **new** session is written. **CD - R** discs are not erasable, so these files are still physically present on the disc, but... these drivers encounter a Mode 1 disc, they expect it to be single-session, and **read** the **file system** information from the **first** session only.

Many CD-Recording software packages, on the other hand, write multisession discs in...

16/3,K/20 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2002 ProQuest Info&Learning. All rts. reserv.

01818284 04-69275

Aligning information systems for effective total quality management implementation in health care organizations

Rivers, Patrick Asubonteng; Bae, Sejong

Total Quality Management v10n2 PP: 281-289 Mar 1999

ISSN: 0954-4127 JRNL CODE: TOQ

WORD COUNT: 3312

...TEXT: this era include:

the development of advanced telecommunications;

fiberoptic cabling and local area networks (LANs);

new magnetic and **optical storage** technologies;

new print graphics;

optical scanning and video display capabilities;

speech recognition and voice synthesis methods;

new...

... patient care information systems are expected to reach US\$5.6 billion (Feinglass & Salmon, 1990).

Objective of information systems

According to Austin (1988), information systems in health care organizations have seven objectives: medical quality...

... system under a TQM environment might appear (see Fig. 3). In the model, users in **different** functional **areas** need **different** types of information at different times. Information regarding patients and patient care is needed first...

... department should view information access as an integrated continuum where it can be accessible to **different** groups or **areas** during **different** times. Because TQM is relatively new in health care organizations, little work has been done...

16/3,K/21 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01115809 97-65203

Electronic imaging & storage guide

Vangelova, Luba

Government Executive v27n11 PP: 1A-12A Nov 1995

ISSN: 0017-2626 JRNL CODE: GOV

WORD COUNT: 6093

...TEXT: speed CD-ROM player. Other optical storage vendors include Nikon, which offers high-capacity magneto- **optical disk** drives, and Philips IMS.

Last year, the **Optical Storage** Technology Association endorsed a **new optical file system** standard to allow optical disks to be used across platforms and to be compatible with...data are lost in the compression step, but in others, all the data remains in **place**, just in **different** form. Before an image is viewed or printed, it is decompressed, but this step is...

16/3,K/22 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2002 ProQuest Info&Learning. All rts. reserv.

00867160 95-16552

Direct access beats migration

Kokias, Christopher

Computer Technology Review v14n5 PP: 18-20 May 1994

ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 1212

...ABSTRACT: or inactive files from expensive magnetic disks to more cost-effective storage devices such as **optical disk** or tape cartridge libraries. The alternative to file migration is direct access to **optical disk** and tape cartridge libraries. Direct access systems are especially useful in environments where users or...

... libraries, but some major drawbacks make them unusable for many applications. Another approach is direct **access** via a library **file system** implementation. The **primary** advantage of this approach is that it directly addresses the unique characteristics of removable media...

...TEXT: or inactive files from expensive magnetic disks to more cost effective storage devices such as **optical disk** or tape cartridge libraries.

A dozen or so vendors offer HSM solutions of varying capabilities...

...the attributes of the available solutions.

The alternative to file migration is direct access to **optical disk** and tape cartridge libraries. The user or application of a direct access system makes the...

...function correctly and system crashes may cause extensive file damage or protracted recovery times.

DIRECT ACCESS VIA A LIBRARY FILE SYSTEM IMPLEMENTATION

The **primary** advantage of the library file system approach is that it directly addresses the unique characteristics...

... Figure omitted.) The flexibility of this approach provides interfaces for tape libraries as well as **optical disk** jukeboxes with WORM media or

rewritable or both. In addition, many provide features not found...

16/3,K/23 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2002 ProQuest Info&Learning. All rts. reserv.

00545258 91-19603

It's Migration Season

Radigan, Joe

Bank Systems & Technology v28n4 PP: 44-50 Apr 1991

ISSN: 1045-9472 JRNL CODE: BSE

WORD COUNT: 2084

...ABSTRACT: will install software for master loan files. Great Western Financial Corp. has been using a **FileNet system** for its mortgages for the past 5 years.

...TEXT: very hard at anything we spend money on."

PNC purchased its minicomputer-based student loan **system** from **FileNet** Corp. for a total cost of \$500,000 to \$750,000. In filing and retrieval...

...and we'd like to take advantage of that."

Great Western has been using a **FileNet system** for its mortgages for the past five years. It currently has more than 70 workstations and we've identified functions that had been done by two or three **different areas** of the bank and now can be consolidated." One example involves elimination of many paper...

... new technology does bring up another dilemma -- namely what to do with stored files, both **new** documents and existing records. **Optical disks** tend to be the most useful form of storage, but the expense of converting all...

16/3,K/24 (Item 1 from file: 810)

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0493476 BW0114

PC EXPO EXHIBITORS 5: PC EXPO In New York/Exhibitor Previews; P thru S

June 12, 1995

Byline: Business Editors/Computer Writers

...3560

Description:

At PC Expo, Sony is highlighting an array of multimedia peripheral including the **new** Spessa line of **CD - R** drives and media, the portable CD-ROM Discman(R) and full-featured 4X CD-ROM...value, step by step instructions, and cooking utensils. Oral presentation in English or the five **different local** Chinese dialects is complimented with music, pictures, video clips and animated stories.

3) Exploring China...

...recovery of the OS/2 operating system, applications and data files. OS/2 High Performance **File System** (HPFS), Extended Attributes (EA), and long path names are fully supported. The graphical Presentation Manager...

16/3,K/25 (Item 2 from file: 810)

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

TAMARACK: Tamarack Storage Devices receives ARPA Award for Wave Guide Holographic Storage Consortium; \$22 million cost-shared industry/university consortium focusing on 100x improvement in storage capacity and speed

April 03, 1995

Byline: Business Editors/Computer Writers

...capacities by as much as 100 times that of today's state-of-the-art **systems** .

Initial technical **objectives** call for a **Write - Once / Read** Many (WORM) testbed for functional testing of the systems, ultimately leading to a read/write...

16/3,K/26 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2002 CMP Media, LLC. All rts. reserv.

01054014 CMP ACCESSION NUMBER: VAR19950515S0013

Total Storage Management: The Path To Profitable HSM-HSM Is important to network customers. The just don't know it yet

Peter Jordan
VARBUSINESS, 1995, n 11, PG63
PUBLICATION DATE: 950515
JOURNAL CODE: VAR LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: HSM
WORD COUNT: 1322

... tape drive. The system takes care of all that for us, and when the user **accesses** the **files** again, the **system** automatically brings them back to **primary** storage." The HSM system allows the MARC Group to reduce storage costs and keep their...backup storage devices.

"We'll try to take advantage of whatever they already have, whether **optical storage** or tape autoloaders, and make it an integrated and seamless part of their total solution...

16/3,K/27 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2002 CMP Media, LLC. All rts. reserv.

00602305 CMP ACCESSION NUMBER: NWC19910401S1896

Superservers - Juggling Performance, Reliability & Manageability

Lee Schlesinger
NETWORK COMPUTING, 1991, n 204 , 49
PUBLICATION DATE: 910401
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Features
WORD COUNT: 3718

... resources for example, if data security must be maintained by storage on separate servers at **different locations** . In this case, powerful PC servers like the IBM PS/2 Model 95 or ALR...superserver can store up to two terabytes of information, most of it in near-line **optical storage** .

Performance gains from **new** hardware come with a hefty price tag. Because they claim to be able to improve...like IPI.

Controlling these devices are often special processors that handle only a machine's **file system** . This increases total system efficiency by offloading work from the main CPU, which is free...

16/3,K/28 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

10018808 SUPPLIER NUMBER: 20006285 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The tools and twists of DVD authoring. (digital video disk)(includes related articles) (Cover Story)
Hughes, Kilroy
EMedia Professional, v10, n12, p37(11)
Dec, 1997
DOCUMENT TYPE: Cover Story ISSN: 1090-946X LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4108 LINE COUNT: 00311

... also known as the operating system formerly known as Memphis. There are add-on UDF **file systems** that will be available from other companies and for other operating systems. A potential problem...

...the DVD-Video spec was based on UDF version 1.02, while DVD-RAM and **DVD - R** rely on the **current** UDF version 1.5, or anticipate the upcoming version 2.0 release, which could be as early as October 1997. UDF **file systems** intended primarily for DVD-Video discs may not support DVD-RAM and CD-RW defect...been found include using stored parameters, angle switching, seamless video and audio jumps, and seamless **opposite** track path **end** -of-layer jumps. As developers attempt to fully use the limited palette of interactive functions...

16/3,K/29 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

09829127 SUPPLIER NUMBER: 17489914 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Document imaging software consolidation: what the moves mean to the market.
Green, Hugh
Advanced Imaging, v10, n9, p21(4)
Sep, 1995
ISSN: 1042-0711 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2987 LINE COUNT: 00247

... imaging software products that support technologies such as Microsoft Windows, OS/2 and UNIX operating **systems** . **FileNet** designed these **systems** for distributed workgroup, departmental or entire enterprise, client/server-based computing environments.

Watermark develops and...

...typical corporate environment. Watermark built this product based upon the Microsoft Windows and NT operating **systems** and using **Object** Linking and Embedding 2.0 (OLE). The Watermark image enabling idea was one of the ...strategy that will leverage the strengths of each company."

FileNet and Watermark come from very **different ends** of the imaging market FileNet's market focus has been to capture customers in large...of this collaboration is Watermark's need for a workflow product. They also do not **currently** support **optical disk** products. The acquisition provides answers to both issues: use FileNet's products. On the other...

16/3,K/30 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

08341496 SUPPLIER NUMBER: 17852036 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Defusing the backup bomb: NetWare backup software. (reviews of five backup software products) (includes related articles on overall results, double agents and test methodology) (Software Review) (Evaluation)
Sercan, Asye; Avery, Mike; Talley, Brooks; Nelson, Andy; Mace, Scott; Jefferson, Steve

InfoWorld, v17, n50, p86(13)

Dec 11, 1995

DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 13533 LINE COUNT: 01079

... format of the serial number printed on the box -- the spaces and dashes were in **different places**. We began to worry whether the serial number would fit into the data entry format...3.x and 4.x, Windows 3.1, OS/2, Macintosh, and any Unix Network **File System** client. The only factor keeping Backup Director from attaining an excellent rating was its lack...any reason -- a likely occurrence on an Ethernet network -- you can instantly ruin a good **CD - R**. Further, **current** CD jukeboxes were not made to handle CD-R and vice versa. The fast moving...

16/3,K/31 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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08017453 SUPPLIER NUMBER: 17300050 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Total storage management: the path to profitable HSM; HSM is important to network customers. They just don't know it yet. (hierarchical storage management)

Jordan, Peter

VARbusiness, v11, n8, p63(2)

May 15, 1995

ISSN: 0894-5802 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1412 LINE COUNT: 00109

... tape drive. The system takes care of all that for us, and when the user **accesses** the **files** again, the **system** automatically brings them back to **primary** storage." The HSM system allows the MARC Group to reduce storage costs and keep their...backup storage devices.

"We'll try to take advantage of whatever they already have, whether **optical storage** or tape autoloaders, and make it an integrated and seamless part of their total solution...

16/3,K/32 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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08005073 SUPPLIER NUMBER: 17296226 (USE FORMAT 7 OR 9 FOR FULL TEXT)

CD-R is still hard to master: CD-recordable systems. (CD-ROM Strategies CD-Gen for Windows 4.1, Corel CD-Creator 1.01, Incat Systems Easy-CD Pro MM 3.0, Elektroson Gear 3.2 for Windows CD-recordable systems) (includes related articles on product guide, product report card, test methodology, glossary, related buffer underruns, and overall test results) (Software Review) (Evaluation)

Mehta, Diane; Angus, Jeff

InfoWorld, v17, n29, p58(11)

July 17, 1995

DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 16881 LINE COUNT: 01326

... 5,900 in June 1994 to about \$2,200 today. In the year since we **last** reviewed **CD - R**, the number of installed CD-R systems has increased from 13,000 to 58,000...

...system setup issues, are still the greatest barriers to entry. Compared to those of the **CD - R** systems we reviewed **last** year, software interfaces have undergone exponential growth, but this doesn't always translate to user...layout, which let us define the track type. The program then created a new Virtual **File System** (VFS) database and let us return to the main screen and select the VFS file...can add several dozen files.) For example, if you want to add 40 files from **different locations**, you

must redefine the destination entries 40 times or redefine the default destination each time...

...if some of the included source files are missing or have been moved to a **different location** on your hard drive, the program ignores the missing files without prompting you for replacements...Installation went smoothly. CD-Gen let us define a target directory, didn't change our **system files**, and recognized our hardware, but it didn't run a hard drive check. The software...line help, system check for hardware, or hard drive performance check. It also changed our **system files** without permission.

Image creation speed (50) Good 31.25 At 27 minutes, 51 seconds, Easy ...Microsoft Corp. has introduced a new file structure -- code-named Joliet -- that finally brings CD **file systems** into the '90s.

Arriving just in time for Windows 95 (assuming it ships), Joliet will ...major problems. We gave higher scores to products that confirmed, in detail, the modification of **system files**; tested the **system** performance to recommend recording rates; or did not require any modifications to the default hardware settings. If the software modified **system files** without notification or it was buggy, or if the hardware required a difficult configuration, the...Book discs, many production houses assume that all discs have post gap and ignore the **last** 150 sectors. If your CD - R system fails to write a post gap, you may lose 150 sectors of real data is ruined, the software can end the packet and tell the **file system** where the valid data resides.

For packet writing to work, hardware vendors need to implement...

...Systems' solution, FlexCD, may be the first available. It combines packet writing with an extended **file system** that replaces ISO 9660. FlexCD will not be available in the Windows 95 version of...

...ISO 9660.

Meanwhile, Elektroson is diligently working on its own packet-writing technology, Gear Intermediate **File System** (IFS). Although similar in some ways to FlexCD (both are based loosely on the Orange Book standard), IFS uses existing **file systems**, such as ISO 9660. If a buffer underrun occurs, IFS will rewrite the data until...A CD-R ON EVERY DESK. In the coming year, improved interfaces, plummeting prices, and **new** technologies are likely to drive CD - R units straight onto the desktops of hundreds of thousands of users. It is to be...

16/3,K/33 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06515890 SUPPLIER NUMBER: 14034564 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Computer equipment and software. (Industry Overview)

Miles, Tim; Streeter, Jonathan; Hoffman, Heidi M.; Woods, R. Clay;
Spathopoulos, Vivian; Swann, Vera A.; Smolenski, Mary; Kadar, Victoria A.
U.S. Industrial Outlook, p26-1(38)
Annual, 1993

DOCUMENT TYPE: Industry Overview ISSN: 0083-1344 LANGUAGE:

ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 35962 LINE COUNT: 03042

... functions, data compression, cryptography, expert systems, vector and image processing, and sorting. Processors located in **different locations** within an enterprise may be coupled together by very high-speed fiber optic channels, and...for 1993

A strengthening of the domestic economy in 1993 will especially benefit the midrange **systems sector**. Industry surveys show that many users, including new customers, have delayed purchasing upgrades or new...past two years. Windows NT (New Technology), OS/2, and the upcoming Apple/IBM Taligent **object**-oriented operating **system** may emerge as viable alternatives for users to the UNIX offerings of Unix International and...slow economic conditions, hurt the sales of optical drives in 1992. Total development costs of **optical disk** technology in the **last** decade have been more than \$3 billion. Up to 1991, total revenues from the

sales...diskettes.

Long-Term Prospects

During the next five years, RAID vendors will develop and ship **new** products, including **optical disks** and magnetic tape that integrate alternative storage sources. By the mid-1990's, the annual...should stimulate demand in the design market. The move from character-based to graphical-based **systems**, and toward **object** -oriented programming techniques will be reflected in CAD products. In addition, the arrival of Windows...

16/3,K/34 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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06181332 SUPPLIER NUMBER: 13037371 (USE FORMAT 7 OR 9 FOR FULL TEXT)

House imaging system helps keep public in the know. (from FileNet Corp.)

Silver, Judith

Government Computer News, v11, n24, p38(1)

Nov 23, 1992

ISSN: 0738-4300 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 674 LINE COUNT: 00053

...ABSTRACT: simultaneously and indexed to an IBM 3270 database. The images are transferred to 12-inch **optical disks** and stored in FileNet's **Optical Storage** and Retrieval system.

... to an IBM 3270 database and FileNet database. Images then are placed on 12-inch **optical disks** and stored in FileNet's **Optical Storage** and Retrieval (OSAR) system.

The public accesses the database through a FileNet workstation equipped with...

...via an Ethernet line to the main route index server, which contains all the documents.

Before the **FileNet** imaging **system** was installed, the only way to **access** the files was through microfilm, a time-consuming process.

"The productivity gains are probably the...

...can do some enhancements on the scanner, after the document is indexed and committed to **optical disk**, no image manipulation can occur. Changes to the database, however, can be made at any..

Set	Items	Description
S1	99	AU=(LEE, L? OR LEE L? OR PROPPS M? OR PROPPS, M?)
S2	2	S1 AND IC=(G06F-017? OR G06F-007?)
S3	16	S1 AND IC=G06F?
S4	16	IDPAT (sorted in duplicate/non-duplicate order)
S5	16	IDPAT (primary/non-duplicate records only)

File 344:Chinese Patents Abs JuL 1985-2002/JuL
(c) 2002 European Patent Office

File 347:JAPIO Oct 1976-2002/Apr(Updated 020805)
(c) 2002 JPO & JAPIO

File 349:PCT FULLTEXT 1983-2002/UB=20020801,UT=20020725
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5/5/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00923522 **Image available**

POLYNUCLEOTIDES ENCODING NOVEL HUMAN PHOSPHATASES
POLYNUCLEOTIDES CODANT POUR DE NOUVELLES PHOSPHATASES HUMAINES

Patent Applicant/Assignee:

BRISTOL-MYERS SQUIBB COMPANY, P.O BOX 4000, ROUTE 206 and PROVINCELINE
ROAD, PRINCETON, NJ 08543-4000, US, US (Residence), US (Nationality)

Inventor(s):

JACKSON Donald G, 2641 Main St. Apt. 1, Lawrenceville, NJ 08648, US,
FEDER John, 277 Dutchtown Zion Road, Belle Mead, NJ 08502, US,
NELSON Thomas, 12 Azalea Court, Lawrenceville, NJ 08648, US,
MINTIER Gabe, 318 Morrison Ave., Hightstown, NJ 08520, US,
RAMANATHAN Chandra, 41 Alison Avenue, Wallingford, CT 06492, US,
LEE Liana, 8 Petunia Drive Apt. 1J, North Brunswick, NJ 08902, US,
SIEMERS Nathan, 171 East Delaware Ave., Pennington, NJ 08534, US,
BOL David, 1467 Franklin Road, Langhorne, PA 19047, US,
SCHIEVEN Gary, 519 Bergan Street, Lawrenceville, NJ 08648, US,
FINGER Joshua, 222 Woodland Parkway, Apt. 254, San Marcos, CA 92069, US,
TODDERUD C Gordon, 56 Autumn Drive, Newtown, PA 18940, US,
BASSOLINO Donna, 9 Hidden Hollow Dr., Hamilton, NJ 08620, US,
KRYSTEK Stanley, 15 Back Brook Road, Ringoes, NJ 08551, US,
MCATEE Patrick, 416 Hale Street, Pennington, NH 08534, US,
SUCHARD Susan, 621 Foulkstone Rd., Wilmington, DE 19803, US,
BANAS Dana, 2465 Sylvan Avenue, Hamilton, NJ 08610, US

Legal Representative:

D'AMICO Stephen (et al) (agent), Bristol-Myers Squibb Company, P.O. Box
4000, Route 206 and Provinceline Road, Princeton, NJ 08543-4000, US,

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C07K-016/40; C12P-021/00; A61K-038/46; C12Q-001/68; C12Q-001/42;

G06F-019/00 ; G06F-017/50

Publication Language: English

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Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 187542

English Abstract

The present invention provides novel polynucleotides encoding human phosphatase polypeptides, fragments and homologues thereof. Also provided are vectors, host cells, antibodies, and recombinant and synthetic methods for producing said polypeptides. The invention further relates to diagnostic and therapeutic methods for applying these novel human phosphatase polypeptides to the diagnosis, treatment, and/or prevention of various diseases and/or disorders related to these polypeptides, particularly cardiovascular diseases and/or disorders. The invention further relates to screening methods for identifying agonists and antagonists of the polynucleotides and polypeptides of the present invention.

French Abstract

L'invention concerne de nouveaux polynucleotides codant pour des polypeptides phosphatase humains, des fragments et des homologues de ces derniers. L'invention concerne également des vecteurs, des cellules hotes, des anticorps et des procedes de recombinaison et de synthese pour produire ces polypeptides. L'invention concerne en outre des methodes diagnostiques et therapeutiques pour appliquer ces nouveaux polypeptides phosphatase humains au diagnostic, au traitement et/ou a la prevention de diverses maladies et/ou de divers troubles associes a ces polypeptides, notamment des maladies et/ou troubles cardiovasculaires. L'invention concerne enfin des procedes de criblage destines a identifier des agonistes et des antagonistes des polynucleotides et des polypeptides de la presente invention.

Legal Status (Type, Date, Text)

Publication 20020725 A2 Without international search report and to be republished upon receipt of that report.

5/5/2 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00922009 **Image available**

**NOVEL PROTEOME ANALYSIS METHOD AND DEVICES THEREFOR
PROCEDE D'ANALYSE PROTEOMIQUE ET DISPOSITIFS ASSOCIES**

Patent Applicant/Assignee:

MITSUBISHI PHARMA CORPORATION, 6-9, Hiranomachi 2-chome, Chuo-ku,
Osaka-shi, Osaka 541-0046, JP, JP (Residence), JP (Nationality)

Inventor(s):

TANAKA Kenji, c/o Mitsubishi Pharma Corporation, Tokyo Head Office, 2-6,
Nihonbashi-honcho 2-chome, Chuo-ku, Tokyo 103-8405, JP,
LEE Lyang-ja , c/o Mitsubishi Pharma Corporation, Tokyo Head Office,
2-6, Nihonbashi-honcho 2-chome, Chuo-ku, Tokyo 103-8405, JP,
MUKAI Hiromichi, c/o Mitsubishi Pharma Corporation, Tokyo Head Office,
2-6, Nihonbashi-honcho 2-chome, Chuo-ku, Tokyo 103-8405, JP,
MUNECHIKA Koji, c/o Mitsubishi Pharma Corporation, Tokyo Head Office,
2-6, Nihonbashi-honcho 2-chome, Chuo-ku, Tokyo 103-8405, JP,
ARIKUNI Hisashi, c/o SC BIOSCIENCES CORPORATION Kamakura Laboratory, 200,
Kajiwara, Kamakura-shi, Kanagawa 247-0063, JP,
SHIWA Mieko, c/o SC BIOSCIENCES CORPORATION Kamakura Laboratory, 200,
Kajiwara, Kamakura-shi, Kanagawa 247-0063, JP,
OCHIAI Bungo, c/o SC BIOSCIENCES CORPORATION Kamakura Laboratory, 200,
Kajiwara, Kamakura-shi, Kanagawa 247-0063, JP

Legal Representative:

TAKASHIMA Hajime (agent), Fujimura Yamato Seimei Bldg., 2-14,
Fushimimachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0044, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200256026 A1 20020718 (WO 0256026)

Application: WO 2002JP29 20020109 (PCT/WO JP0200029)

Priority Application: US 2001260433 20010109; US 2001272981 20010302; US
200238918 20020103

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU

SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G01N-033/68

International Patent Class: G06F-019/00 ; G01N-033/567; G01N-033/543

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 20095

English Abstract

The present invention provides a proteome analysis method including grouping a proteome into membrane proteins and compounds capable of interacting with the membrane proteins, while retaining their native structure and function, and analyzing both the membrane proteins and the compounds based on biological affinity, and devices therefor.

French Abstract

La presente invention concerne un procede d'analyse proteomique consistant a regrouper un proteome sous forme de proteines membranaires et des composes pouvant interagir avec ces proteines membranaires, tout en preservant la structure et les fonctions de depart de ces proteines, puis a analyser les proteines membranaires et les composes d'apres leur affinite biologique. L'invention concerne egalement des dispositifs associes a ce procede.

Legal Status (Type, Date, Text)

Publication 20020718 A1 With international search report.

Publication 20020718 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

5/5/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00859394 **Image available**

METHOD AND APPARATUS FOR EMULATING READ/WRITE FILE SYSTEM ON A WRITE-ONCE DATA STORAGE DISK

PROCEDE ET APPAREIL SERVANT A REPRODUIRE UN SYSTEME DE FICHIERS LECTURE/ECRITURE SUR UN DISQUE D'ENREGISTREMENT DE DONNEES INSCRIPTIBLE UNE SEULE FOIS

Patent Applicant/Assignee:

DATAPLAY INC, 2560 55th Street, Boulder, CO 80301-5706, US, US
(Residence), US (Nationality)

Inventor(s):

LEE Lane W , 894 S. Bermont Drive, Lafayette, CO 80026, US,
PROPPS Michael B , 2815 Spring Mountain Drive, Loveland, CO 80537, US

Legal Representative:

STUEBER David E (et al) (agent), Skjerven Morrill MacPherson LLP, 25
Metro Drive, Suite 700, San Jose, CA 95110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200193009 A2 20011206 (WO 0193009)

Application: WO 2001US17493 20010529 (PCT/WO US0117493)

Priority Application: US 2000583133 20000530

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-003/06

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9018

English Abstract

A method and apparatus for storing, updating, adding, deleting, and locating file system objects on a WORM storage medium, wherein information can be written to, but not erased from, the storage medium. The WORM storage medium has a writeable area that includes a system area

and a data area. The system area includes system information regarding the file system objects on the storage medium. A system sector is written starting at one end of the system area, while the content of the file system objects is written in the data area starting at another end of the writeable area. When a change is made to the file system objects in the writeable area, an updated system sector is generated that replaces the previous file system information for those modified file system objects. Since the previous system sector is not erasable, the updated system sector is written in a location in the system area where it will be read before any previous system sectors. The updated system sector overrides file system information in previously generated system sectors. The information required to access all the file system objects on the storage medium may be included in the updated system sector, or in the updated system sector along with one or more of the previously generated system sectors.

French Abstract

La presente invention concerne un procede et un appareil servant a enregistrer, a mettre a jour, a ajouter, a effacer, et a localiser des objets de systeme de fichiers sur un support d'enregistrement inscriptible une seule fois (write once read many / WORM), les informations pouvant etre inscrites, mais pas effacees du support d'enregistrement. Le support d'enregistrement WORM presente une zone inscriptible qui comprend une zone systeme et une zone de donnees. La zone systeme comprend des informations systeme relatives aux objets de systeme de fichiers se trouvant sur le support d'enregistrement. Un secteur systeme est inscrit a partir d'une extremite de la zone systeme, alors que le contenu des objets de systeme de fichiers est inscrit dans la zone de donnees a partir de l'autre extremite de la zone inscriptible. Lorsqu'une modification est apportee aux objets de systeme de fichiers se trouvant dans la zone inscriptible, un secteur systeme mis a jour est produit et remplace les informations de systeme de fichiers precedentes en ce qui concerne ces objets de systeme de fichiers modifies. Comme le secteur systeme precedent ne peut pas etre efface, le secteur systeme mis a jour est inscrit dans un emplacement de la zone systeme d'ou il sera lu avant tout secteur systeme precedent. Le secteur systeme mis a jour a la priorite sur les informations de systeme de fichiers contenues dans les secteurs systeme produits precedemment. Les informations requises pour acceder aux objets de systeme de fichiers se trouvant sur le support d'enregistrement, peuvent etre inclues dans le secteur systeme mis a jour, ou dans le secteur systeme mis a jour ainsi que dans un ou plusieurs secteurs systeme produits precedemment.

Legal Status (Type, Date, Text)

Publication 20011206 A2 Without international search report and to be republished upon receipt of that report.

Examination 20020307 Request for preliminary examination prior to end of 19th month from priority date

5/5/4 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00859387 **Image available**

METHOD OF DECRYPTING DATA STORED ON A STORAGE DEVICE USING AN EMBEDDED ENCRYPTION/DECRYPTION MEANS

PROCEDE DE DECRYPTAGE DE DONNEES STOCKEES SUR UN DISPOSITIF DE STOCKAGE AU MOYEN D'UN DISPOSITIF DE CRYPTAGE/DECRYPTAGE INCRUSTE

Patent Applicant/Assignee:

DATAPLAY INCORPORATED, 2560 55th Street, Boulder, CO 80301-5706, US, US
(Residence), US (Nationality)

Inventor(s):

ZAHARRIS Daniel R, 7329 Mt. Meeker Road, Longmont, CO 80503, US,
LEE Lane W , 894 Bermont Drive, Lafayette, CO 80026, US

Legal Representative:

STEUBER David E (et al) (agent), Skjervén Morrill MacPherson LLP, 25
Metro Drive, Suite 700, San Jose, CA 95110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200193002 A2 20011206 (WO 0193002)
Application: WO 2001US17245 20010525 (PCT/WO US0117245)
Priority Application: US 2000583452 20000530

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-001/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 6135

English Abstract

A method of decrypting data is provided for decrypting data stored on a storage medium using an encryption/decryption means embedded on data storage engine for reading the data from the medium. The data storage engine generates at least a set of internal keys. The internal keys are used to decrypt a master media key stored on the storage medium. The master media key generates a set of medium keys. The medium keys are combined with the internal keys to generate a set of combined keys. The combined keys are used to decrypt portions of the data stored on the storage medium.

French Abstract

L'invention concerne un procede de decryptage de donnees permettant de decrypter des donnees stockees sur un support de stockage au moyen d'un dispositif de cryptage/decryptage incruste sur un moteur de stockage de donnees, dans le but de lire les donnees du support. Le moteur de stockage de donnees produit au moins un ensemble de cles internes. Ces dernieres sont utilisees pour decrypter une cle supports passe-partout sur le support de stockage. La cle supports passe-partout produit un ensemble de cles support. Celles-ci sont combinees aux cles internes pour generer un ensemble de cles combinees qui sont utilisees pour decrypter certaines parties des donnees stockees sur le support de stockage.

Legal Status (Type, Date, Text)

Publication 20011206 A2 Without international search report and to be republished upon receipt of that report.

Examination 20020228 Request for preliminary examination prior to end of 19th month from priority date

5/5/5 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00841949 **Image available**

ASYNCHRONOUS INPUT/OUTPUT INTERFACE PROTOCOL

PROTOCOLE D'INTERFACE D'ENTREE-SORTIE ASYNCHRONE

Patent Applicant/Assignee:

DATAPLAY INC, 2560 55th Street, Boulder, CO 80301, US, US (Residence), US
(Nationality)

Inventor(s):

GURKOWSKI Mark J, 8972 Sage Valley Road, Longmont, CO 80503, US,

KEELER Stan M, 1156 Columbia Drive, Longmont, CO 80503, US,

LEE Lane W , 894 S. Bermont Drive, Lafayette, CO 80026, US

Legal Representative:

STEUBER David E (et al) (agent), Skjerven Morrill MacPherson LLP, 25

Metro Drive, Suite 700, San Jose, CA 95110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200175618 A2-A3 20011011 (WO 0175618)
Application: WO 2001US9907 20010328 (PCT/WO US0109907)
Priority Application: US 2000539842 20000331
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-013/38**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 8027

English Abstract

An interface protocol for transmitting variable-sized packets between a host system and a storage device. The protocol supports a plurality of signals for transmitting data between the host system and the storage device. One or more address signals indicate whether the packet includes command, data, or status information. An enable signal indicates when the packets may be transmitted to and from the storage device. Read and write strobe signals are also included to allow the host to request data from and transmit data to the storage device. The protocol includes an extensible command set which includes a function code, one or more interrupt requests, and signals to indicate when the storage device is busy, when the storage device is ready to transfer data, when the storage device is ready to receive bytes from a command packet, when the storage device is ready to receive or transmit a data block, and when the storage device is ready to transmit status bytes.

French Abstract

L'invention concerne un protocole d'interface servant a transmettre des paquets de tailles variables entre un systeme hote et un dispositif de stockage. Le protocole reconnaît plusieurs signaux destines a transmettre des donnees entre le systeme hote et le dispositif de stockage. Un ou plusieurs signaux d'adresse indiquent si le paquet inclut ou non une commande, des donnees ou une information d'etat. Un signal de validation indique le moment ou les paquets peuvent etre transmis vers le dispositif de stockage ou a partir du dispositif de stockage. Des signaux stroboscopiques de lecture et d'ecriture sont egalement inclus pour permettre au systeme hote de demander ou transmettre des donnees au dispositif de stockage. Le protocole inclut un jeu de commandes extensible comprenant un code de fonction, une ou plusieurs demandes d'interruption, et des signaux indiquant le moment ou dispositif de stockage est occupe, le moment ou le dispositif de stockage est pret pour transferer des donnees, le moment ou le dispositif de stockage est pret pour recevoir des octets d'un paquet de commande, le moment ou le dispositif de stockage est pret pour recevoir ou transmettre un bloc de donnees, et le moment ou le dispositif de stockage est pret pour transmettre des statuts.

Legal Status (Type, Date, Text)

Publication 20011011 A2 Without international search report and to be republished upon receipt of that report.
Examination 20020103 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020328 Late publication of international search report
Republication 20020328 A3 With international search report.

00841905 **Image available**

FILE SYSTEM MANAGEMENT EMBEDDED IN A STORAGE DEVICE

GESTION DE SYSTEME DE FICHIERS INTEGREE DANS UN DISPOSITIF DE MEMOIRE

Patent Applicant/Assignee:

DATAPLAY INC, 2560 55th Street, Boulder, CO 80301, US, US (Residence), US
(Nationality)

Inventor(s):

LEE Lane W , 894 S. Bermont Drive, Lafayette, CO 80026, US,

PROPPS Michael B , 2815 Spring Mountain Drive, Loveland, CO 80537, US,

ZAHARRIS Daniel R, 7329 Mt. Meeker Road, Longmont, CO 80503, US

Legal Representative:

BERTANI Mary Jo (et al) (agent), Skjerven Morrill MacPherson, 9600 Great
Hills Trail, Suite 300W, Austin, TX 78759, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200175566 A2 20011011 (WO 0175566)

Application: WO 2001US9944 20010328 (PCT/WO US0109944)

Priority Application: US 2000539841 20000331

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-001/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7881

English Abstract

A file system for accessing information on digital storage media is provided by a storage device controller embedded within the storage device. The storage device controller includes an interface component to receive a packet having a file system command. A command decode component in the storage device controller decodes the file system command, and an interface response structure component creates a strategy for performing the file system command. The storage device controller generates an identifier for a file system object and accesses the file system object using the file system object's identifier. A host system coupled to the storage device receives a storage device access request from an application program and generates a command to perform on the file system object based on the storage device access request. The host system uses the identifier to indicate the file system object to be accessed.

French Abstract

L'invention concerne un systeme de fichiers destine a acceder a des informations situees sur un support de stockage numerique, ledit systeme de fichiers etant mis en oeuvre par un controleur integre dans un dispositif de stockage. Ledit controleur de dispositif de stockage comporte une composante interface pour recevoir un paquet ayant une commande de systeme de fichiers. Une composante de decodage de commande presente dans le controleur de dispositif de stockage decode la commande de systeme de fichiers, et une composante de structure de reponse d'interface cree une strategie afin d'effectuer la commande de systeme de fichiers. Le controleur de dispositif de stockage produit un identifiant pour un objet du systeme de fichiers et accede a cet objet au moyen dudit identifiant de l'objet. Un systeme hote couple au dispositif de stockage recoit une requete d'accès au dispositif de stockage provenant d'un programme d'application, et cree une commande a effectuer sur l'objet du systeme de fichiers sur la base de la requete d'accès au dispositif de stockage. Le systeme hote utilise l'identifiant afin d'indiquer l'objet du systeme de fichiers devant etre atteint.

Legal Status (Type, Date, Text)

Publication 20011011 A2 Without international search report and to be
republished upon receipt of that report.

Examination 20020131 Request for preliminary examination prior to end of
19th month from priority date

5/5/7 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00841904 **Image available**

DIGITAL RIGHTS MANAGEMENT WITHIN AN EMBEDDED STORAGE DEVICE

GESTION NUMERIQUE DE DROITS DANS UN DISPOSITIF DE MEMOIRE INTEGRE

Patent Applicant/Assignee:

DATAPLAY INC, 2560 55th Street, Boulder, CO 80301-5706, US, US

(Residence), US (Nationality)

Inventor(s):

LEE Lane W , 894 S. Bermont Drive, Lafayette, CO 80026, US,

ZAHARRIS Daniel R, 7329 Mt. Meeker Road, Longmont, CO 80503, US

Legal Representative:

STEUBER David E (et al) (agent), Skjerven Morrill MacPherson LLP, 25

Metro Drive, Suite 700, San Jose, CA 95110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200175562 A2 20011011 (WO 0175562)

Application: WO 2001US10405 20010329 (PCT/WO US0110405)

Priority Application: US 2000542510 20000403

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-001/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9881

English Abstract

A method is provided for enabling locked data stored on a storage medium and accessing it through a data storage engine contained within or connected to a host device. A user selects all or part of the data stored on the storage medium to enable. The host device then connects to a server over a network and completes a transaction. The transaction can be any requirement specified by the supplier of the data selected by the user. Once the transaction is complete, the data storage engine connects to the same or a separate server through the host device and receives a piece of information, known as the content key, necessary to decrypt, read, or otherwise make sense of the data selected by the user. The content key may be, for example, part of a decryption key. The content key is combined with other information stored on the storage medium. The combined information is then used to access the data selected by the user.

French Abstract

L'invention concerne un procede permettant d'activer des donnees verrouillees enregistrees sur un support de memoire et d'y acceder par un moteur de stockage des donnees integre ou relie a un dispositif hote. L'utilisateur selectionne tout ou partie des donnees enregistrees sur le support de memoire aux fins d'activation. Ensuite, le dispositif hote se connecte a un serveur sur un reseau et etablit une transaction pouvant correspondre a telle ou telle exigence specifiee par le fournisseur des donnees selectionnees par l'utilisateur. Une fois la transaction etablie,

le moteur de stockage des donnees se connecte au meme serveur ou a un autre serveur via le dispositif hôte et recoit un element d'information, appele cle de contenu, necessaire pour toute operation de dechiffrement, lecture ou autre comprehension des donnees selectionnees par l'utilisateur. Par exemple, cette cle peut faire partie integrante d'une cle de dechiffrement. Ladite cle est combinee a d'autres informations stockees sur le support de memoire. L'information ainsi combinee est ensuite utilisee pour l'acces aux donnees selectionnees par l'utilisateur.

Legal Status (Type, Date, Text)

Publication 20011011 A2 Without international search report and to be republished upon receipt of that report.

Examination 20020110 Request for preliminary examination prior to end of 19th month from priority date

5/5/8 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00826956

**DELIVERING TARGETED, ENHANCED ADVERTISEMENTS ACROSS ELECTRONIC NETWORKS
DIFFUSION D'ANNONCES PUBLICITAIRES AMELIOREES CIBLEES PAR DES RESEAUX
ELECTRONIQUES**

Patent Applicant/Assignee:

MIRROR WORLDS TECHNOLOGIES INC, 121 Whitney Avenue, New Haven, CT 06510,
US, US (Residence), US (Nationality)

Inventor(s):

DUSTIN Jim, 5128 Magnolia Terrace, Fruitland Park, FL 34731, US,
FERTIG Scott, 15 Ridge Road, Stony Creek, CT 06405, US,
LEE Lawrence, 2 Bishop Street, New Haven, CT 06511, US

Legal Representative:

KAVRUKOV Ivan S (agent), Cooper & Dunham LLP, 1185 Avenue of the
Americas, New York, NY 10036, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200159543 A2-A3 20010816 (WO 0159543)

Application: WO 2001US40060 20010207 (PCT/WO US0140060)

Priority Application: US 2000499996 20000208

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(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: **G06F-013/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6109

English Abstract

A system in which an Internet user can designate Internet ads for later use, in response to which enhanced versions of the ads are stored in a user-associated area in a server, without interrupting the user's current activity. In another embodiment, the system delivers enhanced versions of the ads automatically and transparently to a user-associated area in a server for storage. When at a later time the user requests access to the previously stored ads, the system delivers to the user's Internet-enabled device a presentation of thumbnails of the enhanced ad versions. These thumbnails can be in the form of static images, sound or video clips, or interactive rich media. The user reviews the thumbnail presentation and upon user selection of a particular ad, the enhanced version of the ad is delivered to the user's display or other Internet-enabled device interface for appropriate user action.

French Abstract

L'invention concerne un systeme dans lequel un utilisateur d'Internet peut selectionner des annonces publicitaires en ligne pour un usage ulterieur, sur la base de versions ameliorees des annonces qui sont stockees dans une zone associee au client d'un serveur, sans necessite

pour l'utilisateur d'interrompre son activite courante. Dans une autre forme de realisation, le systeme delivre des versions ameliorees d'annonces de facon automatique et transparente vers une zone associee au client d'un serveur, aux fins de leur stockage. Lorsque, plus tard, l'utilisateur demande d'accéder aux annonces stockees anterieurement, le systeme presente au dispositif interactif a acces Internet de l'utilisateur des vignettes de versions ameliorees d'annonces. Ces vignettes peuvent se presenter sous la forme d'arriere-plan d'image, de clips sonores ou video, ou de medias riches interactifs. L'utilisateur examine les vignettes presentees, et choisit une annonce particuliere dont la version amelioree est ensuite envoyee vers l'interface pour ecran ou autre de dispositif interactif a acces Internet de l'utilisateur afin que celui-ci entreprenne l'action appropriee.

Legal Status (Type, Date, Text)

Publication 20010816 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011220 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20020704 Late publication of international search report

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5/5/9 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00733730 **Image available**

AUTOMATED FINANCIAL SCENARIO MODELING AND ANALYSIS TOOL HAVING AN INTELLIGENT GRAPHICAL USER INTERFACE

OUTIL DE MODELISATION ET D'ANALYSE DE SCENARIO FINANCIER AUTOMATIQUE A INTERFACE GRAPHIQUE D'UTILISATEUR INTELLIGENTE

Patent Applicant/Assignee:

BABCOCK & BROWN INC, 2 Harrison Street, San Francisco, CA 94105, US, US

(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BELCSAK Ladislav V, 1670 Green Street, San Francisco, CA 94123, US, US

(Residence), US (Nationality), (Designated only for: US)

LEE Luke, 574 Versailles Lane, Fairfield, CA 94585, US, US (Residence),

US (Nationality), (Designated only for: US)

COLLOP David J, 1862 Drake Drive, Oakland, CA 94611, US, US (Residence),

US (Nationality), (Designated only for: US)

BEWSHER Mark R, 1810 Mountain View Drive, Tiburon, CA 94920, US, US

(Residence), US (Nationality), (Designated only for: US)

NIEMIRA Thadeus H, 2490 Princeton Drive, San Bruno, CA 94066, US, US

(Residence), US (Nationality), (Designated only for: US)

MORITZ Dennis D, 28 Skyview Terrace, San Rafael, CA 94903, US, US

(Residence), US (Nationality), (Designated only for: US)

COHN Stephen G, 29 La Fond Lane, Orinda, CA 94563, US, US (Residence), US

(Nationality), (Designated only for: US)

Legal Representative:

PRESTA Joseph S (agent), Nixon & Vanderhye P.C., Suite 800, 1100 North

Glebe Road, Arlington, VA 22201-4714, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200046717 A2 20000810 (WO 0046717)

Application: WO 2000US2776 20000203 (PCT/WO US0002776)

Priority Application: US 99118743 19990205

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 41743

English Abstract

French Abstract

La presente invention concerne un outil de modelisation et d'analyse de scenarii financiers, comportant une interface d'utilisateur graphique qui permet a l'utilisateur de creer un modele graphique de scenario financier, contenant generalement au moins une transaction financiere, sur un ecran d'affichage, et un moteur operable, en reponse a la creation du modele graphique, de maniere a produire automatiquement des informations, comme par exemple des informations financieres ou mathematiques, qui modelisent au moins partiellement une partie du scenario financier a l'aide d'informations collectees par le moteur lors de la creation du modele graphique. L'interface d'utilisateur graphique permet a l'utilisateur de creer des graphiques partiels representant chacun des parties de l'operation financiere, et de produire des graphiques d'instruments financiers representant des instruments financiers, chaque graphique d'instrument financier reliant deux parties des graphiques partiels. Le moteur produit, en reponse a la creation d'un modele graphique, une information d'instrument, telle qu'un objet ou un gabarit, pour chacun des instruments du modele graphique. L'instrument comprend un langage de dates naturel et un langage de formules utilises pour modeliser un scenario. En outre, cet outil permet d'optimiser des parametres optimisables definis dans le scenario, et comprend une interface d'utilisateur conviviale de type livre et de type CAD..

Legal Status (Type, Date, Text)

Publication	20000810	A2 Without international search report and to be republished upon receipt of that report.
Examination	20000908	Request for preliminary examination prior to end of 19th month from priority date
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Republication	20010907	A2 Without international search report and to be republished upon receipt of that report.
Correction	20010907	Corrected version of Pamphlet:
Declaration	20011122	Late publication under Article 17.2a
Republication	20011122	A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

5/5/10 (Item 10 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00474245 **Image available**

VISUALISATION IN A MODULAR SOFTWARE SYSTEM
VISUALISATION DANS UN SYSTEME LOGICIEL MODULAIRE

Patent Applicant/Assignee:

BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY,
Nwana Hyacinth Sama,
LEE Lyndon Chi-Hang,
NDUMU Divine Tamajong,

Inventor(s):

Nwana Hyacinth Sama,
LEE Lyndon Chi-Hang ,
NDUMU Divine Tamajong

Patent and Priority Information (Country, Number, Date):

Patent: WO 9905597 A1 19990204
Application: WO 98GB2235 19980727 (PCT/WO GB9802235)
Priority Application: EP 97305599 19970725; GB 9721811 19971014

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

Main International Patent Class: **G06F-011/00**

International Patent Class: **G06F-011/32**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 23666

English Abstract

A community of collaborative software agents works together in a domain to provide functionality such as provision of communications services or control of a chemical process. A system is provided for building such communities of collaborative software agents. Each software agent has data concerning its relationship(s) with other agents of the community. A visualiser is provided for debugging the community which offers several partial views of the communications between and within agents, organised according to the relationships between agents. By using multiple partial views, such as messages between selected agents and job status reports within single agents, the visualiser is capable of particularly effective debugging.

French Abstract

L'invention concerne un ensemble d'agents logiciels cooperatifs qui collaborent dans un domaine pour produire une fonctionnalite telle que des services de communication ou une commande pour un processus chimique. L'invention concerne egalement un systeme permettant de construire de tels ensemble d'agents logiciels cooperatifs. Chaque agent logiciel comprend des donnees relatives a sa/ses relation(s) avec les autres agents de l'ensemble. Une unite de visualisation permet de mettre au point l'ensemble, et offre plusieurs representations partielles de la communication entre les agents et a l'interieur de ces derniers, ces representations etant organisees conformement aux relations entre agents. Grace a l'utilisation de representations partielles multiples, par exemples de messages entre agents selectionnees et rapports d'etat de travaux dans les agents individuels, l'unite de visualisation permet une mise au point particulierement efficace.

5/5/11 (Item 11 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00474242 **Image available**

SCHEDULER FOR A SOFTWARE SYSTEM

PROGRAMMATEUR POUR SYSTEME LOGICIEL

Patent Applicant/Assignee:

BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY,
LEE Lyndon Chi-Hang,
NWANA Hyacinth Sama,
NDUMU Divine Tamajong,

Inventor(s):

LEE Lyndon Chi-Hang ,
NWANA Hyacinth Sama,
NDUMU Divine Tamajong

Patent and Priority Information (Country, Number, Date):

Patent: WO 9905594 A1 19990204

Application: WO 98GB2237 19980727 (PCT/WO GB9802237)

Priority Application: EP 97305601 19970725

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

GW ML MR NE SN TD TG
Main International Patent Class: **G06F-009/46**
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 24784

English Abstract

A community of collaborative software agents works together in a domain to provide functionality such as provision of communications services or control of a chemical process. A scheduler is built into each collaborative agent which schedules tasks allocated to that particular agent and tasks sub-allocated by that agent. The scheduler has a mechanism for over-booking tasks for any one agent. It can also make tentative bookings which can be overwritten or timed out.

French Abstract

L'invention concerne un ensemble d'agents logiciels cooperatifs qui collaborent dans un domaine pour produire une fonctionnalite telle que des services de communication ou la commande d'un processus chimique. Un programmeur est integre dans chaque agent cooperatif et permet de programmer les taches attribuees a cet agent particulier et les taches sous-attribuees par cet agent. Le programmeur comprend un mecanisme permettant une sur-reservation de taches pour n'importe quel agent. Il peut egalement faire des reservations provisoires qui peuvent etre ecrasees ou temporees.

5/5/12 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00474241

SOFTWARE SYSTEM GENERATION
PRODUCTION DE SYSTEME LOGICIEL

Patent Applicant/Assignee:

BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY,
LEE Lyndon Chi-Hang,
NWANA Hyacinth Sama,
NDUMU Divine Tamajong,

Inventor(s):

LEE Lyndon Chi-Hang ,
NWANA Hyacinth Sama,
NDUMU Divine Tamajong

Patent and Priority Information (Country, Number, Date):

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Application: WO 98GB2241 19980727 (PCT/WO GB9802241)
Priority Application: EP 97305600 19970725

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

Main International Patent Class: **G06F-009/44**
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 24963

English Abstract

A system for building collaborative software agents is provided with a set of editors (305) for capturing data for installation in the individual agents. The collaborative software agents will normally form a community, including some standard agents (315), provided by the system, and will collaborate to provide functionality in a domain selected by the

user. Each collaborative software agent built by the system is provided with co-ordination policies, selected by the user, and represented by a co-ordination graph (310). A single collaborative software agent can be provided with more than one collaborative policy and is capable of running more than one collaborative policy simultaneously with different agents of the system. An exception handler flags an exception during use of the collaborative agents in the relevant domain when the value of a variable for an agent conflicts with a relevant constraint. Alternatively, the exception handler flags an exception when the resource and time constraints cannot be met by allocation of tasks between the collaborative agents. Communities of software agents built within a system might be used to launch and/or manage telecommunications services or to control a chemical process, for example.

French Abstract

L'invention concerne un systeme permettant de construire des agents logiciels cooperatifs. Ce systeme comprend une serie d'editeurs (305) qui assurent la capture des donnees permettant d'installer le systeme dans les agents individuels. Les agents logiciels cooperatifs forment normalement un ensemble comprenant quelques agents (315) standard fournis par le systeme, et collaborent pour produire une fonctionnalite dans un domaine selectionne par l'utilisateur. Chaque agent logiciel cooperatif construit par le systeme met en oeuvre des politiques de coordination selectionnees par l'utilisateur et representees par un graphique (310) de coordination. Un agent logiciel cooperatif isole peut comprendre plusieurs politiques de collaboration et est capable d'executer simultanement plusieurs politiques de cooperation avec differents agents du systeme. Pendant l'utilisation des agents cooperatifs dans le domaine defini, un processeur d'exceptions signale une exception lorsqu'un conflit apparait entre la valeur d'une variable pour un agent et une contrainte correspondante. Selon une autre variante, le processeur d'exception signale une exception lorsque l'allocation des taches entre les agents cooperatifs ne permet pas le respect des contraintes de ressources et des contraintes temporelles. Les ensembles d'agents logiciels integres au systeme peuvent servir a lancer et/ou a gerer des services de telecommunication ou a commander un processus chimique par exemple.

5/5/13 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00436494 **Image available**

FAULT-RESILIENT AUTOMOBILE CONTROL SYSTEM SYSTEME DE COMMANDE PARA-DEFAILLANCE POUR AUTOMOBILE

Patent Applicant/Assignee:

MICROSOFT CORPORATION,

Inventor(s):

WONG William,

LEE Lawrence W

Patent and Priority Information (Country, Number, Date):

Patent: WO 9826958 A1 19980625

Application: WO 97US23030 19971210 (PCT/WO US9723030)

Priority Application: US 96771343 19961216

Designated States: CA JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT
SE

Main International Patent Class: B60R-016/02

International Patent Class: **G06F-11:00**

Publication Language: English

English Abstract

A fault-resilient automobile control system integrates diverse and separate automobile components and provides fault-tolerance to component failure. The automobile control system includes a master control unit (MCU) electrically coupled via a primary data communications bus to the electronic automobile components. The MCU is master of the bus and manages data flow over the bus among the electronic automobile

components. The MCU can be configured with a routing table to route data monitored in one component to one or more other components. The MCU is also capable of performing the same functions as those performed by local controllers at the electronic components. During initialization, driver software for all of the local controllers is downloaded and stored at the MCU. In the event that a local controller fails, the MCU executes the driver software for the failed controller to remotely control the electronic automobile component in place of the failed local controller. Switching logic is installed at each of the electronic components to selectively route data to the primary bus, circumventing the failed controller. The automobile control system has a secondary control unit (SCU) electrically coupled to the MCCI via the primary bus. The SCU is a standalone computer that supports clients and other devices on a secondary support bus. The SCU is also configured to backup the MCU. During normal operation, the SCU is subordinate to and controlled by the MCU on the primary bus. In the event that the MCU fails, however, the SCU assumes control of the data communications network and manages the data flow among the electronic automobile components.

French Abstract

L'invention porte sur un systeme de commande para-defaillance pour automobile integrant divers composants separes du vehicule et assurant l'insensibilite vis a vis de defaillances de composants. Ledit systeme comporte une unite principale de commande (MCU) reliee par un bus primaire de transmission de donnees aux composants electroniques du vehicule. La MCU regit le bus et gere les flux de donnees transitant entre lesdits composants. La MCU peut comporter une table d'acheminement dirigeant les donnees de surveillance d'un composant vers un ou plusieurs autres. La MCU peut egalement assurer les memes fonctions que celles des controleurs locaux des composants defaillants. Lors de la mise en route, on charge et enregistre dans la MCU un logiciel client pour tous les controleurs locaux. En cas de defaillance d'un controleur local la MCU execute le logiciel client du controleur defaillant et telecommande le composant a la place du controleur defaillant. Une logique de commutation est installee dans chacun des composants electroniques pour permettre d'acheminer selectivement les donnees sur le bus primaire et de contourner le composant defaillant. Ledit systeme comporte une unite secondaire de commande (SCU) reliee electriquement a la MCU par le bus primaire. La SCU est un ordinateur autonome logeant des dispositifs clients et autres sur un bus secondaire. La SCU est par ailleurs concue comme unite de reserve de la MCU. En fonctionnement normal, la SCU est subordonnee a la MCU et commandee par elle via le bus primaire. En cas de defaillance de la MCU, la SCU assure la commande du reseau de transmission de donnees et gere les flux de donnees transitant entre les composants electroniques du vehicule.

5/5/14 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00433565 **Image available**

FLASH MEMORY MASS STORAGE SYSTEM

SYSTEME A MEMOIRE DE MASSE FAISANT INTERVENIR UNE MEMOIRE FLASH

Patent Applicant/Assignee:

MACRONIX INTERNATIONAL CO LTD,

MA Chung-Wen,

LIN Chun-Hung,

LEE Tai-Yao,

LEE Li-Jen,

LEE Ju-Xu,

HU Ting-Chung,

Inventor(s):

MA Chung-Wen,

LIN Chun-Hung,

LEE Tai-Yao,

LEE Li-Jen ,

LEE Ju-Xu,

HU Ting-Chung
Patent and Priority Information (Country, Number, Date):
Patent: WO 9824029 A1 19980604
Application: WO 96US18973 19961126 (PCT/WO US9618973)
Priority Application: US 96756304 19961125
Designated States: JP US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: G06F-012/06
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 10182

English Abstract

An architecture for a mass storage system using flash memory involves organizing the flash memory into a plurality of blocks which are then divided into several categories (181-183, 172-174, 177-176). There are three categories of blocks: 1) working category (172-174) used to store data organized in accordance with a pre-defined addressing scheme (such as the logical block address used in Microsoft's operating system), 2) temporary buffer used to store data intended to be written to one of the working blocks (176), and 3) blocks that need to be erased (181-183). When data is written into the mass storage system, a block in the second category (176) is allocated from a block in the third category (181-183). The allocated block will then be changed to a block in the first category when writing to the allocated block is completed (172-174). The corresponding block in the first category is placed into the third category (e.g. 172).

French Abstract

Cette architecture pour systeme a memoire de masse faisant intervenir une memoire flash suppose que la memoire flash soit agencee en plusieurs blocs se subdivisant ensuite en plusieurs categories (181-183, 172-174, 177-176). Les categories de blocs sont au nombre de trois: 1), categorie de travail (172-174) utilisee pour la memorisation de donnees organisees en fonction d'un systeme d'adressage predefini (l'adresse de bloc logique utilise par le systeme d'exploitation Microsoft), 2), tampon provisoire utilise pour la memorisation de donnees destinees a etre ecrites sur l'un des blocs de travail (176) et, 3), blocs a effacer (181-183). Lorsque des donnees sont ecrites dans le systeme a memoire de masse, un bloc appartenant a la deuxieme categorie (176) est choisi, aux fins d'affectation, parmi des blocs de la troisieme categorie (181-183). Le bloc affecte sera ensuite remplace par un bloc de la premiere categorie une fois achevee l'ecriture sur le bloc affecte (172-174) et le bloc correspondant de la premiere categorie, place dans la troisieme (p. ex., 172).

5/5/15 (Item 15 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00433564 **Image available**
METHOD AND SYSTEM FOR MANAGING A FLASH MEMORY MASS STORAGE SYSTEM
METHODE DE GESTION DE SYSTEME A MEMOIRE DE MASSE FAISANT INTERVENIR UNE
MEMOIRE FLASH ET DISPOSITIF CORRESPONDANT
Patent Applicant/Assignee:
MACRONIX INTERNATIONAL CO LTD,
MA Chung-Wen,
LIN Chun-Hung,
LEE Tai-Yao,
LEE Li-Jen,
LEE Ju-Xu,
HU Ting-Chung,
Inventor(s):
MA Chung-Wen,
LIN Chun-Hung,
LEE Tai-Yao,

LEE Li-Jen ,
LEE Ju-Xu,
HU Ting-Chung
Patent and Priority Information (Country, Number, Date):
Patent: WO 9824028 A1 19980604
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Priority Application: US 96755194 19961125
Designated States: JP US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: G06F-012/06
International Patent Class: G06F-13:00 ; G06F-11:18 ; G11C-16:04
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 8016

English Abstract

Methods for managing a mass storage system (100) including a flash memory having first (172-174), second (176-177) and third (181-183) types of blocks which may be changed from one type to another type, are disclosed. A "wear-leveling" procedure (400) may be used in which the difference in the number of times of erasure of any two blocks, except defective blocks, is within a predetermined value. The blocks are divided into a plurality of sectors (350), each sector having a start portion (352), a data portion (354), and an end portion (356). A sector is marked valid only when the start and end portions contain a predetermined pattern of data, and is marked clean when no data has been written into the start and end portions. Data may be stored in two separate memory locations, and an "OR" or "AND" operation performed to recover the data.

French Abstract

L'invention porte sur des methodes de gestion d'un systeme a memoire de masse (100) comportant une memoire flash possedant un premier (172-174), un deuxieme (176-177) et un troisieme (181-183) type de blocs, susceptibles de changement d'un type a l'autre. Il est possible de mettre en oeuvre un processus "d'etalemt de l'usure" (400) au titre duquel la difference entre le nombre d'effacements de n'importe des deux blocs, quelque soit le bloc, a l'exception des blocs defectueux, reste dans une plage de valeurs predeterminee. Les blocs sont divise en plusieurs secteurs (350), possedant chacun une partie de depart (352), une partie contenant les donnees (354) et une partie terminale (356). Un secteur n'est indique comme etant valide que si la partie de depart et la partie terminale (356) renferment une configuration predeterminee de donnees et il est indique comme etant nettoye si aucune donnee n'a ete ecrite dans ces parties. Les donnees peuvent etre memorisees dans deux memoires distinctes et une operation "OU" ou bien une operation "ET" executee pour recuperer les donnees.

5/5/16 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00168299

**MASKABLE BILEVEL CORRELATOR
CORRELATEUR A DOUBLE NIVEAU MASQUABLE**

Patent Applicant/Assignee:

HUGHES AIRCRAFT COMPANY,
Inventor(s):

LO Thomas K,
SACKS Jack M,
SIMONI Wayne P,
LEE Leonard A ,
NGUYEN Harrison,
KARLIN Lynne M,
QUAN Andy L,
HOSOKAWA Kazuo R

Patent and Priority Information (Country, Number, Date):

Patent: WO 9001744 A1 19900222
Application: WO 89US2875 19890703 (PCT/WO US8902875)
Priority Application: US 88407 19880808
Designated States: AU CH DE FR GB IT JP KR NL NO SE
Main International Patent Class: **G06F-015/336**
International Patent Class: **G06F-15:70**
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 4572

English Abstract

A method and apparatus for correlating two signals representing a live image and a reference image are disclosed. The reference signal is processed to provide a polarity bit and mask bit for each pixel position in the reference image. The processed video signal is stored in a memory (20) and used in a convolver and summer section (18) in which the polarity bits between the reference and live images are gated by gate (17) and are used in generating a correlation output from summer (23). However, the polarity bits do not affect the correlation output if the logical output from gate (19) is of a given state which occurs if the associated mask bits indicate that the gradient value at the particular pixel position does not exceed certain minimum threshold values.

French Abstract

On a mis au point un procede et un appareil mettant en correlation deux signaux representant une image en direct et une image de reference. Le signal de reference est traite pour fournir un bit de polarite et un bit de masquage pour chaque position de pixel dans l'image de reference. Le signal video traite est stocke dans une memoire (20) et utilise dans une partie (18) a circonvolutionneur et additionneur dans laquelle les bits de polarite entre les images de reference et les images de direct sont declenches par la porte (17), et sont utilises pour produire une sortie de correlation provenant de l'additionneur (23). Toutefois, les bits de polarite n'influent pas sur la sortie de correlation si la sortie logique provenant de la porte (19) est dans un etat donne se produisant si les bits de masquage associes indiquent que la valeur de gradient au niveau de la position particuliere de pixel ne depasse pas certaines valeurs de seuil minimum.

Summary:

S4 has 16 records ordered as follows:

16 patent records without duplicates (records 1-16)

Set	Items	Description
S1	28375	SYSTEM?(2N) (OBJECT? OR FILE? OR SECTOR? OR HEADER?)
S2	703595	DATA OR CONTENT? OR INFORMATION?
S3	778657	UPDATE? OR NEW OR NEWER OR REVISE? OR LATEST OR CURRENT? OR LAST
S4	168019	(DIFFERENT? OR OPPOSITE? OR DISCRETE?) (3N) (SECTOR? OR AREA? ? OR LOCATION? OR LOCAL? OR PLACE? OR END OR ENDS)
S5	46555	(FIRST OR INITIAL OR PRIOR OR BEFORE OR PRIMARY) (3N) (ACCES- S? OR READ?)
S6	10549	(WORM) () (DISK? OR DISC? ? OR STORAGE? OR MEMOR?) OR WRITE (-)ONCE OR CDR OR CD()R OR DVDR OR DVD()R OR OPTICAL()WRITABLE
S7	25	S1(10N)S6(S)S2
S8	3	S3 AND S4 AND S5 AND S7
S9	108	S1(S)S6(S)S2 AND S3
S10	0	S1(5N)S5(5N)S6
S11	38	S1(S)S5(S)S6
S12	55	S9(S) (S4 OR S5)
S13	84	S7 OR S11 OR S12
S14	9	S13 AND IC=(G06F-017? OR G06F-007?)
S15	27	S13 AND IC=G06F?
S16	29	S8 OR S15 OR S14
S17	29	IDPAT (sorted in duplicate/non-duplicate order)
S18	27	IDPAT (primary/non-duplicate records only)
File 348:EUROPEAN PATENTS 1978-2002/Jul W04		
(c) 2002 European Patent Office		
File 349:PCT FULLTEXT 1983-2002/UB=20020801,UT=20020725		
(c) 2002 WIPO/Univentio		

18/5/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01387896

**METHOD AND APPARATUS FOR EMULATING READ/WRITE FILE SYSTEM ON A WRITE -
ONCE DATA STORAGE DISK**
PROCEDE ET APPAREIL SERVANT A REPRODUIRE UN SYSTEME DE FICHIERS
LECTURE/ECRIURE SUR UN DISQUE D'ENREGISTREMENT DE DONNEES INSCRIPTIBLE
UNE SEULE FOIS

PATENT ASSIGNEE:

Dataplay, Inc., (3182404), 2560 55th Street, Boulder, CO 80301-5706, (US)
, (Applicant designated States: all)

INVENTOR:

LEE, Lane, W., 894 S. Bermont Drive, Lafayette, CO 80026, (US)

PROPPS, Michael, B., 2815 Spring Mountain Drive, Loveland, CO 80537, (US)

PATENT (CC, No, Kind, Date):

WO 200193009 011206

APPLICATION (CC, No, Date): EP 2001939717 010529; WO 2001US17493 010529

PRIORITY (CC, No, Date): US 583133 000530

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-003/06**

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020130 A2 International application. (Art. 158(1))

Application: 020130 A2 International application entering European
phase

LANGUAGE (Publication,Procedural,Application): English; English; English

18/5/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00929158

Temporal displacement icon in a graphical user interface
Graphische Benutzerschnittstelle mit zeitempfindlichem Bereich
Interface utilisateur graphique a region sensible au temps

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,
Armonk, N.Y. 10504, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Hocker, Michael David, RR No. 1 Box 296A, Staatsburg, New York 12580,
(US)

Kishi, Gregory Tad, 861 W. Annadale Way, Oro Valley, Arizona 85737, (US)

Mc Lean, James Gordon, 5217 West Oaks Drive, Fuquay-Varina, North
Carolina 27526, (US)

Pickover, Clifford Alan, 37 Yorkshire Lane, Yorktown Heights, New York
10598, (US)

Winarski, Daniel James, 647 South Woodstock Drive, Tucson, Arizona 85710,
(US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 847006 A2 980610 (Basic)

EP 847006 A3 981223

APPLICATION (CC, No, Date): EP 97309292 971119;

PRIORITY (CC, No, Date): US 760152 961203

DESIGNATED STATES: DE; FR; GB; IE

INTERNATIONAL PATENT CLASS: **G06F-009/44**

ABSTRACT EP 847006 A2

This invention permits users to conveniently examine functions,
applications, data, and other parameters for different periods of time. A
region of the graphical user interface is provided to which other icons
may be dragged so that the function represented by the dragged icon

returns to a prior state or is extrapolated to a future state. By storing the previous m versions of a file, application, database, etc., where m is user selectable, the user can review prior versions of that file, application, or database without explicitly having to track those versions. The graphical nature of the present invention provides a significantly more intuitive way to manipulate the time.

ABSTRACT WORD COUNT: 109

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 980610 A2 Published application (A1with Search Report
;A2without Search Report)
Search Report: 981223 A3 Separate publication of the European or
International search report
Examination: 990526 A2 Date of filing of request for examination:
990329

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9824	641
SPEC A	(English)	9824	3787
Total word count - document A			4428
Total word count - document B			0
Total word count - documents A + B			4428

18/5/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2002 European Patent Office. All rts. reserv.

00879910

INFORMATION PROCESSOR, FILE NAME CHANGING METHOD AND RECORDING MEDIUM ON WHICH FILE NAME CHANGING PROGRAM IS STORED

INFORMATIONSPROZESSOR, VERÄNDERUNGSVERFAHREN FÜR DATEINAMEN UND AUFZEICHNUNGSMEDIUM AUF DEM EIN PROGRAMM ZUR VERÄNDERUNG VON DATEINAMEN GESPEICHERT IST

PROCESSEUR D'INFORMATIONS, PROCÉDE DE MODIFICATION DE NOMS DE FICHIERS, ET SUPPORT D'ENREGISTREMENT SUR LEQUEL UN PROGRAMME DE CHANGEMENT DE NOM DE FICHIER EST

PATENT ASSIGNEE:

SONY CORPORATION, (214021), 7-35 Kitashinagawa 6-chome Shinagawa-ku, Tokyo 141, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

INOKUCHI, Tatsuya, Sony Corporation 7-35, Kitashinagawa 6-chome, Shinagawa-ku Tokyo 141, (JP)
UDAGAWA, Osamu, Sony Corporation 7-35, Kitashinagawa 6-chome, Shinagawa-ku Tokyo 141, (JP)
KANEKO, Yasuyoshi, Sony Corporation 7-35, Kitashinagawa 6-chome, Shinagawa-ku Tokyo 141, (JP)
TAIRA, Kazuhisa, Sony Corporation 7-35, Kitashinagawa 6-chome, Shinagawa-ku Tokyo 141, (JP)

LEGAL REPRESENTATIVE:

Melzer, Wolfgang, Dipl.-Ing. (8278), Patentanwälte Mitscherlich & Partner, Sonnenstrasse 33, 80331 München, (DE)

PATENT (CC, No, Kind, Date): EP 821309 A1 980128 (Basic)
WO 9729426 970814

APPLICATION (CC, No, Date): EP 97902622 970207; WO 97JP321 970207

PRIORITY (CC, No, Date): JP 9648211 960209

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-012/00

ABSTRACT EP 821309 A1

An information processing apparatus, a file name conversion method and a recording medium recorded a program of the file name conversion method thereon, capable of accessing file names recorded on a recording medium in conformity of respective specifications of a plurality of operating systems.

In an information processing apparatus for accessing a file recorded on a recording medium in conformity to specifications defined by a plurality

of operating systems, means for converting a first file name based on the specifications of an operating system used for file creation/file name change to a second file name based on the specifications of an operating system used for accessing the file is provided for all of the plurality of operating systems, thereby file accesses among a plurality of different plurality of operating systems can be realized.

ABSTRACT WORD COUNT: 134

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 971105 A1 International application (Art. 158(1))
Application: 980128 A1 Published application (A1with Search Report
;A2without Search Report)
Examination: 980304 A1 Date of filing of request for examination:
971215

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9805	2342
SPEC A	(English)	9805	20484
Total word count - document A			22826
Total word count - document B			0
Total word count - documents A + B			22826

18/5/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00859290

INFORMATION PROCESSING APPARATUS AND METHOD
INFORMATIONSVORRICHTUNG UND VERFAHREN
APPAREIL ET PROCEDE DE TRAITEMENT D'INFORMATIONS
PATENT ASSIGNEE:

SONY CORPORATION, (214021), 7-35 Kitashinagawa 6-chome Shinagawa-ku,
Tokyo 141, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

INOKUCHI, Tatsuya, Sony Corporation, 7-35, Kitashinagawa 6-chome,
Shinagawa-ku, ToKyo 141, (JP)
UDAGAWA, Osamu, Sony Corporation, 7-35, Kitashinagawa 6-chome,
Shinagawa-ku, Tokyo 141, (JP)
KANEKO, Yasuyoshi, Sony Coporation, 7-35, Kitashinagawa 6-chome,
Shinagawa-ku, Tokyo 141, (JP)

LEGAL REPRESENTATIVE:

Melzer, Wolfgang, Dipl.-Ing. (8278), Patentanwalte Mitscherlich &
Partner, Sonnenstrasse 33, 80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 803815 A1 971029 (Basic)
WO 9717657 970515

APPLICATION (CC, No, Date): EP 96935512 961031; WO 96JP3195 961031

PRIORITY (CC, No, Date): JP 95317416 951110; JP 95317256 951110; JP
95317473 951110; JP 96257611 960905

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-012/00 ; G06F-003/06 ; G11B-027/00

ABSTRACT EP 803815 A1

An information processor and a method of information processing wherein
a write once type disc can be used as a rewritable recording medium.

There can be realized an address control mechanism wherein even if the
physical recording position is changed, the logical address of the same
block is not changed by controlling the physical recording position on
the recording medium on an imaginary address space in correspondence to
the logical address. Thus the write once type recording medium can be
realized as a rewritable recording medium.

ABSTRACT WORD COUNT: 87

LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 020508 A1 Date of withdrawal of application: 20020306
Application: 970827 A1 International application (Art. 158(1))
Application: 971029 A1 Published application (A1with Search Report

;A2without Search Report)
Examination: 971112 A1 Date of filing of request for examination:
 970916
LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count
 CLAIMS A (English) 9710W4 835
 SPEC A (English) 9710W4 12968
Total word count - document A 13803
Total word count - document B 0
Total word count - documents A + B 13803

18/5/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2002 European Patent Office. All rts. reserv.

00735226

INFORMATION MEMORY PROCESSOR
INFORMATIONSSPEICHERPROZESSOR
CONTROLEUR D'ACCES MEMOIRE

PATENT ASSIGNEE:

SONY CORPORATION, (214021), 7-35 Kitashinagawa 6-chome Shinagawa-ku,
Tokyo 141, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

SAWADA, Yoshiaki Sony Corporation, 7-35, Kitashinagawa 6-chome
Shinagawa-ku, Tokyo 141, (JP)

LEGAL REPRESENTATIVE:

Melzer, Wolfgang, Dipl.-Ing. et al (8278), Patentanwalte, Mitscherlich &
Partner, Sonnenstrasse 33, D-80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 706129 A1 960410 (Basic)
 WO 9529444 951102

APPLICATION (CC, No, Date): EP 95916045 950425; WO 95JP810 950425

PRIORITY (CC, No, Date): JP 94110528 940425

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: **G06F-012/00 ; G06F-012/08**

ABSTRACT EP 706129 A1

The present invention relates to a data storage processing apparatus and the object of the present invention is to provide storages including off-line media and to improve the usability of users as well as removing the unfairness among users. The resource of data storage processing will be divided and dynamically allocated and simultaneously various multiple storages in the resource of the data storage processing will be integrated in accordance with file systems and hierarchically arranged according to speeds and features, and file systems will be constructed on that hierarchical various multiple storages, and thus, users are able to access to the optional files making no distinction of various multiple storages and/or file system. (see image in original document)

ABSTRACT WORD COUNT: 137

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 960117 A International application (Art. 158(1))
Application: 960410 A1 Published application (A1with Search Report
 ;A2without Search Report)
Examination: 960410 A1 Date of filing of request for examination:
 951204
Change: 990421 A1 Obligatory supplementary classification
 (change)
Search Report: 990922 A1 Date of drawing up and dispatch of
 supplementary:search report 19990803

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text Language Update Word Count
 CLAIMS A (English) EPAB96 1504
 SPEC A (English) EPAB96 12705
Total word count - document A 14209

Total word count - document B 0
Total word count - documents A + B 14209

18/5/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2002 European Patent Office. All rts. reserv.

00485308

File system with read/write memory and write once-read many (WORM) memory
Dateisystem mit Schreib/Lesespeicher und einmaligen Schreib- und
mehrmaligen Lese-speicher

Système de fichier comportant une mémoire lecture/écriture et une mémoire a
écriture unique et lecture multiple

PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
(US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Thompson, Kenneth L., 336 Ridge Road, Watchung, New Jersey 07023, (US)

LEGAL REPRESENTATIVE:

Watts, Christopher Malcolm Kelway, Dr. et al (37392), Lucent Technologies
(UK) Ltd, 5 Mornington Road, Woodford Green Essex IG8 OTU, (GB)

PATENT (CC, No, Kind, Date): EP 466389 A2 920115 (Basic)
EP 466389 A3 930818
EP 466389 B1 981007

APPLICATION (CC, No, Date): EP 91306017 910702;

PRIORITY (CC, No, Date): US 551218 900711

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G06F-011/14 ; G06F-003/06

CITED REFERENCES (EP A):

THE JOURNAL OF SYSTEMS AND SOFTWARE vol. 10, no. 1, July 1989, USA pages
15 - 21 D. A. CA AS 'A File Management System for a Magnetic Disk Used
as a Buffer to Write-Once Optical Storage'

COMPUTER DESIGN vol. 28, no. 1, January 1989, TULSA, OK, USA pages 93 -
96 , XP000098294 R. B. OLSEN ET AL. 'Virtual optical disks solve the
on-line storage crunch'

INTERNATIONAL CONFERENCE ON DATA ENGINEERING 1984, SILVER SPRINGS, USA
pages 175 - 180 P. RATHMANN 'Dynamic Data Structures on Optical Disks'
7TH INT. CONF. ON DECISION SUPPORT SYSTEMS June 1987, SAN FRANCISCO, USA
pages 107 - 113 G. DIEHR ET AL. 'USING OPTICAL STORAGE TECHNOLOGY FOR
DECISION SUPPORT DATABASES'

IEEE COMPUTER June 1988, USA pages 11 - 22 J. GAIT 'The Optical File
Cabinet: A Random-Access File System for Write-Once Optical Disks';

ABSTRACT EP 466389 A2

A file system (101) which has component file systems including a
primary file system (111) which is read/write and a number of dump file
systems (109) which are read only. Each dump file system is created from
the primary file system by means of a dump operation and conserves the
state of the primary file system at the time the dump operation was
performed. Component file systems share read only storage elements (519)
with older component file systems. The file system is implemented on a
system including a file server (503), a magnetic disk mass storage device
(507), and an optical write once-read many (WORM) disk (511). The
magnetic disk mass storage device contains the read/write storage
elements of the primary file system and encached read only storage
elements from the WORM disk. Space (516) is reserved on the unwritten
portion (515) of the WORM disk for the read-write storage elements of the
primary file system. Techniques for performing file operations including
opening, reading, writing, creating, and deleting files are disclosed, as
well as techniques for performing the operations of dumping and restoring
the primary file system.

ABSTRACT WORD COUNT: 190

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 920115 A2 Published application (Alwith Search Report
;A2without Search Report)

Search Report: 930818 A3 Separate publication of the European or

International search report

Change: 930818 A2 Obligatory supplementary classification
(change)

Examination: 940406 A2 Date of filing of request for examination:
940203

*Assignee: 940622 A2 Applicant (name, address) (change)

Examination: 960828 A2 Date of despatch of first examination report:
960711

Grant: 981007 B1 Granted patent

Oppn None: 990929 B1 No opposition filed: 19990708

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9841	730
CLAIMS B	(German)	9841	672
CLAIMS B	(French)	9841	796
SPEC B	(English)	9841	7948
Total word count - document A			0
Total word count - document B			10146
Total word count - documents A + B			10146

18/5/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00461800

**System for integrating application programs in a heterogeneous network
environment**

**System zum Integrieren von Anwenderprogrammen in eine heterogene
Netzwerkumgebung**

**Système pour intégrer des programmes d'application dans un environnement de
reseau heterogene**

PATENT ASSIGNEE:

Hewlett-Packard Company, (206031), Mail Stop 20 B-O, 3000 Hanover Street,
Palo Alto, California 94304, (US), (applicant designated states:
DE;FR;GB)

INVENTOR:

Pham, Thong, 10148 Judy Avenue, Cupertino, California 95014, (US)
Gulland, Scott, 3681 Irlanda Way, San Jose, California 95125, (US)
Amino, Mitch, 373 Bundy Avenue, San Jose, California 95117, (US)

LEGAL REPRESENTATIVE:

Baillie, Iain Cameron et al (27951), Ladas & Parry, Altheimer Eck 2,
80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 456249 A2 911113 (Basic)
EP 456249 A3 930120
EP 456249 B1 981209

APPLICATION (CC, No, Date): EP 91107604 910510;

PRIORITY (CC, No, Date): US 521543 900510

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/46

CITED PATENTS (EP A): EP 304071 A; EP 304071 A

CITED REFERENCES (EP A):

UNIX REVIEW June 1987, pages 66 - 75 H. JOHNSON 'EACH PIECE IN ITS PLACE'
COMPUTER COMMUNICATIONS. vol. 13, no. 1, January 1990, LONDON, GB pages 4
- 16 H. LORIN 'APPLICATION DEVELOPMENT, SOFTWARE ENGINEERING AND
DISTRIBUTED PROCESSING';

ABSTRACT EP 456249 A2

A system which integrates applications that run on a plurality of
homogenous or heterogeneous computers on a network. System Configuration
files (510) in source code are created from a high level definition of
the distributed system (LAN) which is to be integrated. The configuration
files (510) include data such as the types and formats of data for each
process (402) on each node (400) of the system, identification of all
applications and machine types, topography and the data manipulations
needed for sending messages and files and the like from an application
program in a first computer language and of a first data type to an

application program in a second computer language and of a second data type. Node-specific data manipulation modules (DMM 528) are formed at each node (400) during startup of the system, and these modules are automatically distributed to nodes (400) on the network having the same architecture. The invention allows applications having different physical data characteristics to communicate by using the data manipulation modules (DMM 528) so formed to manipulate the data at the source program into a common data representation (CDR) having data types common to all of the languages represented by the system and then reconvert the data to the local representation at the destination node.

ABSTRACT WORD COUNT: 214

LEGAL STATUS (Type, Pub Date, Kind, Text):

Lapse: 000531 B1 Date of lapse of European Patent in a contracting state (Country, date): FR 19990507,
Application: 911113 A2 Published application (A1with Search Report ;A2without Search Report)
Lapse: 010131 B1 Date of lapse of European Patent in a contracting state (Country, date): FR 19990507, GB 19990510,
Search Report: 930120 A3 Separate publication of the European or International search report
Examination: 930915 A2 Date of filing of request for examination: 930702
Examination: 970319 A2 Date of despatch of first examination report: 970203
Grant: 981209 B1 Granted patent
Oppn None: 991201 B1 No opposition filed: 19990910

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9850	1199
CLAIMS B	(German)	9850	1068
CLAIMS B	(French)	9850	1485
SPEC B	(English)	9850	12992
Total word count - document A			0
Total word count - document B			16744
Total word count - documents A + B			16744

18/5/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00445949

METHOD OF READING AND WRITING FILES ON NONERASABLE STORAGE MEDIA

**VERFAHREN ZUM LESEN UND SCHREIBEN VON DATEIEN AUF NICHTLOSCHBAREN
SPEICHERMEDIEN**

**PROCEDE DE LECTURE ET D'ECRITURE DE FICHIERS SUR DES SUPPORTS DE STOCKAGE
NON EFFA ABLES**

PATENT ASSIGNEE:

DREXLER TECHNOLOGY CORPORATION, (338413), 2557 Charleston Road, Mountain View, CA 94303, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

SCIUPAC, Luis, H., 528 Hubbard Avenue, Santa Clara, CA 95051, (US)

LEGAL REPRESENTATIVE:

Kahler, Kurt, Dipl.-Ing. et al (6167), Patentanwalte Kahler, Kack, Fiener et col., Vorderer Anger 268, 86899 Landsberg/Lech, (DE)

PATENT (CC, No, Kind, Date): EP 462180 A1 911227 (Basic)
EP 462180 A1 930331
EP 462180 B1 970924
WO 9010906 900920

APPLICATION (CC, No, Date): EP 90904554 900223; WO 90US994 900223

PRIORITY (CC, No, Date): US 320020 890307

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: **G06F-012/02**

CITED PATENTS (WO A): US 4287568 A; US 4298932 A; US 4382279 A; US 4394745

A; US 4414644 A; US 4437155 A; US 4558176 A; US 4680736 A; US 4691299 A
CITED REFERENCES (EP A):

No further relevant documents disclosed;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 911227 A1 Published application (A1with Search Report
;A2without Search Report)
Examination: 911227 A1 Date of filing of request for examination:
910912
Change: 921104 A1 Representative (change)
Search Report: 930331 A1 Drawing up of a supplementary European search
report: 930211
Examination: 950405 A1 Date of despatch of first examination report:
950217
Change: 970507 A1 Representative (change)
Grant: 970924 B1 Granted patent
Oppn None: 980916 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9709W3	1043
CLAIMS B	(German)	9709W3	971
CLAIMS B	(French)	9709W3	1288
SPEC B	(English)	9709W3	4635
Total word count - document A			0
Total word count - document B			7937
Total word count - documents A + B			7937

18/5/9 (Item 9 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00346874

A method of managing defective sectors in a disk-shaped information recording medium and an apparatus for performing the same.

Verfahren zur Handhabung defekter Sektoren auf einem plattenformigen Informations-Aufzeichnungsträger und Gerät zur Durchführung des Verfahrens.

Methode pour gerer les secteurs defectueux sur un support d'enregistrement d'information sous forme de disque et appareil pour sa realisation.

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza Kadoma, Kadoma-shi, Osaka-fu, 571, (JP), (applicant designated states: DE;FR;GB;NL)

INVENTOR:

Fukushima, Yoshihisa, C-508, 6-14, Sekime Joto-ku, Osaka-shi Osaka, (JP)
Sato, Isao, 36-12, Higashigaoka Narita, Neyagawa-shi Osaka, (JP)

LEGAL REPRESENTATIVE:

Schwabe - Sandmair - Marx (100951), Stuntzstrasse 16, D-81677 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 350920 A2 900117 (Basic)
EP 350920 A3 910807
EP 350920 B1 940309

APPLICATION (CC, No, Date): EP 89112854 890713;

PRIORITY (CC, No, Date): JP 88174518 880713

DESIGNATED STATES: DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: G11B-020/18; G11B-020/12; G06F-003/06

CITED PATENTS (EP A): WO 8400628 A

ABSTRACT EP 350920 A2

A method of and an apparatus for managing defective sectors in an information recording medium such as a write-once optical disk and rewritable optical disk in which many defective sectors may be generated and unevenly distributed. In the medium, alternative zones are formed which are composed of: a prime area for recording user data the capacity of which is variable according to the volume capacity and partition

capacity and the occurrence rate of defective sectors; a primary spare area for recording alternative sectors; and a primary defect list area for recording a primary defect list. Many defective sectors are managed in the units of alternative zones. When defective sectors cannot be substituted in an alternative zone (e.g., when defective sectors are locally concentrated), defective sectors are managed hierarchically using a secondary alternative area, thereby reducing the amount of information to be handled for the management of defective sectors. Therefore, the size of the apparatus can be reduced, and defective sectors can be rapidly searched.

ABSTRACT WORD COUNT: 168

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 900117 A2 Published application (Alwith Search Report
;A2without Search Report)
Examination: 900117 A2 Date of filing of request for examination:
890728
*Assignee: 910109 A2 Applicant (transfer of rights) (change):
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
(216883) 1006, Oaza Kadoma Kadoma-shi,
Osaka-fu, 571 (JP) (applicant designated
states: DE;FR;GB;NL)
Search Report: 910807 A3 Separate publication of the European or
International search report
Examination: 921230 A2 Date of despatch of first examination report:
921117
Grant: 940309 B1 Granted patent
Oppn None: 950301 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1907
CLAIMS B	(German)	EPBBF1	1685
CLAIMS B	(French)	EPBBF1	2348
SPEC B	(English)	EPBBF1	9052
Total word count - document A			0
Total word count - document B			14992
Total word count - documents A + B			14992

18/5/10 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00301481

An information management system for writable optical discs.

Informationsverwaltungssystem fur beschreibbare optische Platten.

Systeme de gestion d'information pour disques optiques inscriptibles.

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza Kadoma,
Kadoma-shi, Osaka-fu, 571, (JP), (applicant designated states:
DE;FR;GB;NL)

INVENTOR:

Miki, Tadashi, 1-1-5-406, Imaichi Asahi-ku, Osaka-shi Osaka, (JP)
Kozuka, Masayuki, 1-10-1-601, Dainichi, Moriguchi-shi Osaka, (JP)

LEGAL REPRESENTATIVE:

Tiedtke, Harro, Dipl.-Ing. et al (11949), Patentanwaltsburo
Tiedtke-Buhling-Kinne & Partner Bavariaring 4, D-80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 314186 A2 890503 (Basic)
EP 314186 A3 910911
EP 314186 B1 950118

APPLICATION (CC, No, Date): EP 88118140 881031;

PRIORITY (CC, No, Date): JP 87276110 871030; JP 87276111 871030; JP
87276137 871030; JP 87148570 880616

DESIGNATED STATES: DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: G06F-003/06

CITED REFERENCES (EP A):

DIGEST OF PAPERS, COMPCON, SPRING, 23rd - 27th February 1987, pages

138-141, IEEE, New York, US; L.B. LOWENTHAL: "Integration of optical disk into mainframe system software"
PTR/PHILIPS TELECOMMUNICATION & DATA SYSTEMS REVIEW, vol. 44, no. 3, December 1986, pages 18-31; K. MEISSNER: "CD-ROM: Device, system integration and standardization";

ABSTRACT EP 314186 A2

An information management system for writable optical discs, including a disc (7) on which data (7a) and management information (7b) are recorded; an operating system (1) in which data in a read only optical disc can be managed by means of files, the operating system (1) having a read instruction (2) and a write instruction (3); read control portion (5) for changing the read instruction directed to the read only optical disc into a read address instruction directed to the disc (7), the read control portion (5) having: modifying and loading portion (5b) for changing the management information (7b) into mutual information having a format of the read only optical disc; internal storage (5c) for storing the mutual information; and access changing portion (5d) responsive to the read instruction (2) for switching an access target such that the access target is the disc (7) when the read instruction (2) is directed to the data recorded on the disc (7), and that the access target is the internal storage (5c) when the read instruction (2) is directed to the management information (7b) recorded on the disc (7); and write control portion (6) for renewing the address modifying information in the read control portion (5) in response to the write instruction (3) when new data is written in the disc (7).

ABSTRACT WORD COUNT: 223

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890503 A2 Published application (Alwith Search Report
;A2without Search Report)
Examination: 890503 A2 Date of filing of request for examination:
881031
Change: 901024 A2 Representative (change)
Change: 901122 A2 Representative (change)
Search Report: 910911 A3 Separate publication of the European or
International search report
Examination: 930630 A2 Date of despatch of first examination report:
930519
Change: 940223 A2 Representative (change)
Grant: 950118 B1 Granted patent
Oppn None: 960110 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPBBF2	982
CLAIMS B	(English)	EPBBF2	839
CLAIMS B	(German)	EPBBF2	754
CLAIMS B	(French)	EPBBF2	1056
SPEC A	(English)	EPBBF2	6273
SPEC B	(English)	EPBBF2	5677
Total word count - document A			7255
Total word count - document B			8326
Total word count - documents A + B			15581

18/5/11 (Item 11 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00288264

Modular data storage directories for large-capacity data storage units
Aus Einheitsfunktionsgruppen aufgebaute Dateienspeicherungszuordnungstabell
en fur Dateienspeichereinheiten grosser Kapazitat
Index modulaire de memorisation de donnees pour unites de memoires de
grande capacite

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,

Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:

Flannagan, William Joseph, 4951 N. Siesta Drive, Tucson, AZ 85715, (US)
Kern, Ronald Maynard, 761 North Colette Place, Tucson, AZ 85748, (US)
Kulakowski, John Edward, 7641 East Knollwood Place, Tucson, AZ 85715,
(US)

Wagner, Robert E., 11121 East Limberlost Road, Tucson, AZ 85749, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
Intellectual Property Department Hursley Park, Winchester Hampshire
SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 284037 A2 880928 (Basic)
EP 284037 A3 930303
EP 284037 B1 971229

APPLICATION (CC, No, Date): EP 88104641 880323;

PRIORITY (CC, No, Date): US 30393 870326

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G11B-027/28; **G06F-017/30** ; G11B-020/18;
G11B-020/12; G11B-007/013; **G06F-003/06**

CITED PATENTS (EP A): US 4575827 A; US 4633393 A; US 4601012 A; EP 73330 A;
US 4611272 A; US 4468728 A

CITED REFERENCES (EP A):

IBM TECHNICAL DISCLOSURE BULLETIN. vol. 29, no. 5, October 1986, NEW YORK
US pages 2116 - 2117 'HANDLING DEFECTIVE TRACKS IN A CACHED
ENVIRONMENT'

IBM TECHNICAL DISCLOSURE BULLETIN. vol. 30, no. 6, November 1987, NEW
YORK US pages 137 - 138 'DIRECTORY FOR DISK WITH WRITE-ONCE STORAGE
MEDIUM';

ABSTRACT EP 284037 A2

An updatable and expandable directory structure and resultant access
procedures emulating a write-once or indelible record medium (20) to a
rewriteable record medium as to accessing characteristics. The directory
is indexed; one directory header for a first set of files indexes another
set of files. Sector clusters or data extents are managed such that
random recording from any file proceeds independently of write-once
characteristics. The directory is stored on the medium as data is
recorded. Each directory entry contains an archival history of recording
of a related data file in the medium. Both logical and physical
addressing is employable. (see image in original document)

ABSTRACT WORD COUNT: 108

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880928 A2 Published application (A1with Search Report
;A2without Search Report)
Examination: 890315 A2 Date of filing of request for examination:
890117
Search Report: 930303 A3 Separate publication of the European or
International search report
Change: 930324 A2 Representative (change)
Examination: 940504 A2 Date of despatch of first examination report:
940322
Grant: 971229 B1 Granted patent
Oppn None: 981223 B1 No opposition filed
Lapse: 991020 B1 Date of lapse of European Patent in a
contracting state (Country, date): IT
19971229,

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9712W3	719
CLAIMS B	(German)	9712W3	674
CLAIMS B	(French)	9712W3	888
SPEC B	(English)	9712W3	17431
Total word count - document A			0
Total word count - document B			19712
Total word count - documents A + B			19712

18/5/12 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00892941 **Image available**

71 HUMAN SECRETED PROTEINS

71 PROTEINES HUMAINES SECRETEES

Patent Applicant/Assignee:

HUMAN GENOME SCIENCES INC, 9410 Key West Avenue, Rockville, MD 20850, US,
US (Residence), US (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

RUBEN Steven M, 18528 Heritage Hills Drive, Olney, MD 20832, US, US
(Residence), US (Nationality), (Designated only for: US)
KOMATSOULIS George, 9518 Garwood Street, Silver Spring, MD 20901, US, US
(Residence), US (Nationality), (Designated only for: US)
DUAN D Roxanne, 5515 Northfield Road, Bethesda, MD 20817, US, US
(Residence), US (Nationality), (Designated only for: US)
ROSEN Craig A, 22400 Rolling Hill Lane, Laytonsville, MD 20882, US, US
(Residence), US (Nationality), (Designated only for: US)
MOORE Paul A, 19005 Leatherbark Drive, Germantown, MD 20874, US, US
(Residence), GB (Nationality), (Designated only for: US)
SHI Yanggu, 437 West Side Drive, Apt. 102, Gaithersburg, MD 20878, US, US
(Residence), CN (Nationality), (Designated only for: US)
LAFLEUR David W, 3142 Quesada Street, N.W., Washington, DC 20015, US, US
(Residence), US (Nationality), (Designated only for: US)
OLSEN Henrik, 182 Kenrick Place #24, Gaithersburg, MD 20878, US, US
(Residence), DK (Nationality), (Designated only for: US)
BREWER Laurie A, 410 Van Dyke Street, Apt. 115, St. Paul, MN 55119, US,
US (Residence), US (Nationality), (Designated only for: US)
FLORENCE Kimberly A, 12805 Atlantic Avenue, Rockville, MD 20851, US, US
(Residence), US (Nationality), (Designated only for: US)
YOUNG Paul E, 122 Beckwith Street, Gaithersburg, MD 20878, US, US
(Residence), US (Nationality), (Designated only for: US)
SOPPET Daniel R, 15050 Stillfield Place, Centreville, VA 20120, US, US
(Residence), US (Nationality), (Designated only for: US)
ENDRESS Gregory A, 408 Bridge Road, Florence, MA 01062, US, US
(Residence), US (Nationality), (Designated only for: US)
MUCENSKI Michael, 7870 Dennler Lane, Cincinnati, OH 45247, US, US
(Residence), US (Nationality), (Designated only for: US)
EBNER Reinhard, 9906 Shelburne Terrace #316, Gaithersburg, MD 20878, US,
US (Residence), DE (Nationality), (Designated only for: US)

Legal Representative:

HOOVER Kenley K (et al) (agent), Human Genome Sciences, Inc., 9410 Key
West Avenue, Rockville, MD 20850, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200226931 A2 20020404 (WO 0226931)

Application: WO 2001US29871 20010924 (PCT/WO US0129871)

Priority Application: US 2000234925 20000925; WO 2001US911 20010112

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: C12N

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 355828

English Abstract

The present invention relates to novel human secreted proteins and

isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

French Abstract

La presente invention concerne de nouvelles proteines humaines secretees et des acides nucleiques isoles contenant les regions codantes de ces genes codant pour ces proteines. L'invention concerne egalement des vecteurs, des cellules hotes, des anticorps et des methodes de recombinaison destinees a la production de proteines humaines secretees. L'invention concerne egalement des methodes diagnostiques et therapeutiques destinees au diagnostic et au traitement de maladies, de troubles et/ou d'etats associes a ces nouvelles proteines humaines secretees.

Legal Status (Type, Date, Text)

Publication 20020404 A2 Without international search report and to be republished upon receipt of that report.

18/5/13 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00889202 **Image available**

MEMORY DEVICES AND METHODS FOR USE THEREWITH

DISPOSITIFS MEMOIRE ET PROCEDES D'UTILISATION CORRESPONDANTS

Patent Applicant/Assignee:

MATRIX SEMICONDUCTOR INC, 3230 Scott Boulevard, Santa Clara, CA 95054, US
, US (Residence), US (Nationality)

Inventor(s):

MARCH Roger W, 726 Malarin Avenue, Santa Clara, CA 95050, US,
MOORE Christopher S, 3226 Kimber Court #104, San Jose, CA 95124, US,
BROWN Daniel T, 2800 NW 62nd Street, Seattle, WA 98107, US,
LEE Thomas H, 939 Bubb Road, Cupertino, CA 95014, US,
JOHNSON Mark G, 125 Arbuelo Way, Los Altos, CA 94022, US,

Legal Representative:

HETZ Joseph F (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087,
Chicago, IL 60610, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200223341 A1 20020321 (WO 0223341)

Application: WO 2001US41585 20010806 (PCT/WO US0141585)

Priority Application: US 2000662953 20000915; US 2000748589 20001222

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-011/08**

International Patent Class: **G06F-012/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 12594

English Abstract

The preferred embodiments described herein provide a memory device and methods for use therewith. In one preferred embodiment, a memory device (200) is provided having error checking and correcting code circuitry (220) which generates at least one ECC bit based upon at least one data

bit and stores them both in the memory cells of the device. The memory device may be either a write-once memory device, a three-dimensional electronic memory device, or both.

French Abstract

Les modes de realisation preferes de cette invention se rapportent a un dispositif memoire et a des procedes de mise en oeuvre associes. Dans un mode de realisation prefere, un dispositif memoire (200) est dote de circuits (220) a code de controle et de correction des erreurs qui generent au moins un bit ECC en fonction d'au moins un bit de donnees et stockent ces deux bits dans les cellules de memoire du dispositif. Ce dispositif memoire peut etre soit un dispositif memoire a ecriture unique, soit un dispositif memoire electronique tridimensionnel, soit encore un dispositif comportant les deux types de dispositif memoire precedents.

Legal Status (Type, Date, Text)

Publication 20020321 A1 With international search report.

18/5/14 (Item 14 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00861666 **Image available**

METHOD OF IMPLICIT PARTITIONING THE STORAGE SPACE AVAILABLE ON A STORAGE MEDIUM

PROCEDE DE PARTITIONNEMENT IMPLICITE DE L'ESPACE DE STOCKAGE DISPONIBLE SUR UN SUPPORT DE MEMOIRE

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

FONTIJN Wilhelmus F J, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

DE VRIES Jan (agent), Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200195331 A2-A3 20011213 (WO 0195331)

Application: WO 2001EP6455 20010607 (PCT/WO EP0106455)

Priority Application: EP 2000202040 20000609

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: G11B-027/32

International Patent Class: G11B-020/12; G06F-003/06 ; G11B-007/007

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3418

English Abstract

The invention relates to a method of implicitly partitioning the storage space available on a storage medium, to a storage medium for storing user data and to a recording device for storing user data on a storage medium. In order to limit the mount/unmount time of a volume like a UDF volume on a magnetic tape for ADR and to limit overall seek times during reading it is proposed according to the invention: a) storage space available for storage on the medium is divided into a directory region and a data region, b) metadata are stored in the directory region, c) user data are stored in the data region being implicitly subdivided into data sub-regions, d) file set data for user data stored in a data sub-region are stored in a corresponding directory sub-region being assigned to this data sub-region, and e) borders of data sub-regions are variable.

French Abstract

L'invention concerne un procede de partitionnement implicite de l'espace

de stockage disponible sur un support de memoire, un support de memoire permettant de stocker des donnees d'utilisateur, ainsi qu'un dispositif d'enregistrement permettant de stocker des donnees d'utilisateur sur un support de memoire. Afin de limiter le temps de montage/demontage d'un volume tel qu'un volume UDF sur une bande magnetique pour enregistrement numerique avance, et afin de limiter le temps d'accès global pendant la lecture de cette derniere, selon cette invention: a) l'espace de stockage disponible pour le stockage sur le support est divise en une region de repertoire et une region de donnees, b) les metadonnees sont stockees dans la region de repertoire, c) les donnees d'utilisateur sont stockees dans la region de donnees implicitement subdivisee en sous-regions de donnees, d) des donnees d'ensemble de fichiers pour les donnees d'utilisateur stockees dans une sous-region de donnees sont stockees dans une sous-region de repertoire correspondante assignee a cette sous-region de donnees, et e) les limites et la grandeur des sous-regions de donnees sont variables.

Legal Status (Type, Date, Text)

Publication 20011213 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20020516 Late publication of international search report

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18/5/15 (Item 15 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00859594 **Image available**

FORMAT FOR RECORDING DATA ON A STORAGE DISK

FORMAT SERVANT A ENREGISTRER DES DONNEES SUR UN DISQUE DE MEMORISATION

Patent Applicant/Assignee:

DATAPLAY INC, 2560 55th Street, Boulder, CO 80301-5706, US, US

(Residence), US (Nationality)

Inventor(s):

ZAHARRIS Daniel R, 7329 Mt. Meeker Road, Longmont, CO 80503, US,

LEE Lane W, 894 S. Bermont Drive, Lafayette, CO 80026, US,

KEELER Stanton M, 1156 Columbia Drive, Longmont, CO 80503, US,

PROPPS Michael B, 2815 Spring Mountain Drive, Loveland, CO 80537, US,

Legal Representative:

STEUBER David E (et al) (agent), Skjerven, Morrill, MacPherson, LLP,

Suite 700, 25 Metro Drive, San Jose, CA 95110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200193262 A2-A3 20011206 (WO 0193262)

Application: WO 2001US17621 20010530 (PCT/WO US0117621)

Priority Application: US 2000583448 20000530

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G11B-020/12

International Patent Class: G11B-020/18; G11B-020/00; G11B-007/007

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9266

English Abstract

A data storage disk includes a writeable area (12) that allows a user to write data, wherein the data files are written from the outside diameter towards the inside diameter of the writeable area (12), while file system information (120) is written from the inside diameter towards the outside

diameter of the writeable area (12). This optimizes the use of the writeable area, whether a large number of small data files or a small number of large data files are being stored. To further optimize the use of the writeable area (12), information may be stored in two or more different error correction code (ECC) block sizes. Thus, information, such as the file system attributes and linking sectors, which contains few bytes may be stored in the smaller ECC block size, while the data may be stored in the larger ECC block size. The data storage disk may also include a mastered content area.

French Abstract

Disque de memorisation de donnees possedant une zone permettant d'enregistrer des donnees, les fichiers de donnees etant enregistres depuis le diametre exterieur vers le diametre interieur de la zone d'enregistrement, tandis que les informations concernant le systeme de fichier sont enregistrees depuis le diametre interieur vers le diametre exterieur de la zone d'enregistrement. Ceci permet d'optimiser l'utilisation de la zone d'enregistrement, qu'on memorise un nombre important de petits fichiers de donnees ou un nombre limite de fichiers importants de donnees. Dans le but d'optimiser encore davantage l'utilisation de la zone d'enregistrement, on peut memoriser les informations en deux ou plusieurs dimensions differentes de bloc de code de correction d'erreur (ECC). On peut, par consequent, memoriser dans la dimension de bloc ECC la plus petite des informations, telles que les attributs du systeme de fichier et les secteurs de liaison contenant un nombre limite d'octets, tandis qu'on peut memoriser les donnees dans la dimension de bloc ECC la plus importante. Ce disque de memorisation de donnees peut egalement contenir une zone de contenu original.

Legal Status (Type, Date, Text)

Publication 20011206 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20020530 Late publication of international search report

Republication 20020530 A3 With international search report.

18/5/16 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00851452

PRODUCTION AND USE OF PROTEIN VARIANTS HAVING MODIFIED IMMUNOGENECITY

VARIANTS DE PROTEINES A IMMUNOGENICITE MODIFIEE

Patent Applicant/Assignee:

NOVOZYMES A S, Krogshøjvej 36, DK-2880 Bagsvaerd, DK, DK (Residence), DK (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

ROGGEN Erwin Ludo, Asavaenget 14, DK-2800 Lyngby, DK, DK (Residence), BE (Nationality), (Designated only for: US)

ERNST Steffen, Edelsmindevej 18, DK-2700 Bronshøj, DK, DK (Residence), DK (Nationality), (Designated only for: US)

SVENDSEN Allan, Overdamsvej 13, DK-2970 Horsholm, DK, DK (Residence), DK (Nationality), (Designated only for: US)

FRIIS Esben Peter, Langagervej 15, 2. tv., DK-2500 Valby, DK, DK (Residence), DK (Nationality), (Designated only for: US)

VON DER OSTEN Claus, Christian Winthers Vej 15, DK-2800 Lyngby, DK, DK (Residence), DK (Nationality), (Designated only for: US)

Legal Representative:

NOVOZYMES A S (commercial rep.), Krogshøjvej 36, DK-2880 Bagsvaerd, DK,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200183559 A2-A3 20011108 (WO 0183559)

Application: WO 2001DK293 20010430 (PCT/WO DK0100293)

Priority Application: DK 2000707 20000428; US 2000203345 20000510; DK 2001327 20010228; US 2001277817 20010321

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: C07K-001/00

International Patent Class: C12N-009/00; C07K-016/00; C07K-014/00;

G01N-033/53; **G06F-017/50**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 146189

English Abstract

The present invention relates to a method of selecting a protein variant having modified immunogenicity as compared to the parent protein comprising the steps obtaining antibody binding peptide sequences, using the sequences to localise epitope sequences on the 3-dimensional structure of parent protein, defining an epitope area including amino acids situated within 5 A from the epitope amino acids constituting the epitope sequence, changing one or more of the amino acids defining the epitope area of the parent protein by genetical engineering mutations of a DNA sequence encoding the parent protein, introducing the mutated DNA sequence into a suitable host, culturing said host and expressing the protein variant, and evaluating the immunogenicity of the protein variant using the parent protein as reference. The invention further relates to the protein variant and use thereof, as well as to a method for producing said protein variant.

French Abstract

L'invention concerne un procede de selection d'un variant de proteine dont l'immunogenicite est modifiee comparee a celle de la proteine mere. Ce procede consiste a obtenir des sequences peptidiques se liant a l'anticorps, a utiliser ces sequences pour localiser les sequences d'epitopes sur la structure tridimensionnelle de la proteine mere, a definir un site epitope comprenant des acides amines situes a 5 A des acides amines constitutifs de la sequence d'epitopes, a modifier un ou plusieurs des acides amines definissant le site epitope de la proteine mere par modification genetique d'une sequence d'ADN codant pour la proteine mere, a introduire la sequence d'ADN mutuee dans un hote approprie, a cultiver cette hote et a exprimer le variant de proteine, enfin a evaluer l'immunogenicite du variant de proteine en se servant de la proteine mere comme reference. L'invention concerne egalement le variant de proteine et son utilisation ainsi qu'un procede de production de ce variant de proteine.

Legal Status (Type, Date, Text)

Publication 20011108 A2 Without international search report and to be republished upon receipt of that report.

Examination 20020124 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20020620 Late publication of international search report

Republication 20020620 A3 With international search report.

18/5/17 (Item 17 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00841905 **Image available**

FILE SYSTEM MANAGEMENT EMBEDDED IN A STORAGE DEVICE

GESTION DE SYSTEME DE FICHIERS INTEGREE DANS UN DISPOSITIF DE MEMOIRE

Patent Applicant/Assignee:

DATAPLAY INC, 2560 55th Street, Boulder, CO 80301, US, US (Residence), US
(Nationality)

Inventor(s):

LEE Lane W, 894 S. Bermont Drive, Lafayette, CO 80026, US,

PROPPS Michael B, 2815 Spring Mountain Drive, Loveland, CO 80537, US,
ZAHARRIS Daniel R, 7329 Mt. Meeker Road, Longmont, CO 80503, US,

Legal Representative:

BERTANI Mary Jo (et al) (agent), Skjerven Morrill MacPherson, 9600 Great
Hills Trail, Suite 300W, Austin, TX 78759, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200175566 A2 20011011 (WO 0175566)

Application: WO 2001US9944 20010328 (PCT/WO US0109944)

Priority Application: US 2000539841 20000331

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-001/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7881

English Abstract

A file system for accessing information on digital storage media is provided by a storage device controller embedded within the storage device. The storage device controller includes an interface component to receive a packet having a file system command. A command decode component in the storage device controller decodes the file system command, and an interface response structure component creates a strategy for performing the file system command. The storage device controller generates an identifier for a file system object and accesses the file system object using the file system object's identifier. A host system coupled to the storage device receives a storage device access request from an application program and generates a command to perform on the file system object based on the storage device access request. The host system uses the identifier to indicate the file system object to be accessed.

French Abstract

L'invention concerne un systeme de fichiers destine a acceder a des informations situees sur un support de stockage numerique, ledit systeme de fichiers etant mis en oeuvre par un controleur integre dans un dispositif de stockage. Ledit controleur de dispositif de stockage comporte une composante interface pour recevoir un paquet ayant une commande de systeme de fichiers. Une composante de decodage de commande presente dans le controleur de dispositif de stockage decode la commande de systeme de fichiers, et une composante de structure de reponse d'interface cree une strategie afin d'effectuer la commande de systeme de fichiers. Le controleur de dispositif de stockage produit un identifiant pour un objet du systeme de fichiers et accede a cet objet au moyen dudit identifiant de l'objet. Un systeme hote couple au dispositif de stockage recoit une requete d'accès au dispositif de stockage provenant d'un programme d'application, et cree une commande a effectuer sur l'objet du systeme de fichiers sur la base de la requete d'accès au dispositif de stockage. Le systeme hote utilise l'identifiant afin d'indiquer l'objet du systeme de fichiers devant etre atteint.

Legal Status (Type, Date, Text)

Publication 20011011 A2 Without international search report and to be
republished upon receipt of that report.

Examination 20020131 Request for preliminary examination prior to end of
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00810319 **Image available**

FILE TRANSMISSION FROM A FIRST WEB SERVER AGENT TO A SECOND WEB SERVER AGENT

COLLECTE DE CONTENU

Patent Applicant/Assignee:

INKTOMI CORPORATION, 66 B Street, Needham, MA 02194, US, US (Residence),
US (Nationality)

Inventor(s):

ABBOTT Freeland, 37 Berkeley Street, Arlington, MA 02174, US,
LARA Marco, 21 Wildes Road, Topsfield, MA 01983, US,
NEOGI Depankar, 14 Carolyn Road, Wilmington, MA 01887, US,
HARDY Geoff, Apartment 1, 138 Sycomor Street, Somerville, MA 02145, US,

Legal Representative:

HEFFAN Ira V (agent), Testa, Hurwitz & Thibeault, LLP, High Street Tower,
125 High Street, Boston, MA 02110, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200142990 A2-A3 20010614 (WO 0142990)

Application: WO 2000US42745 20001212 (PCT/WO US0042745)

Priority Application: US 99532483 19991213

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/30**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9579

English Abstract

In a web service system (90) with one or more web servers (102), a system and method for distributing content directly from each web server to a single computer transfers files generated on web servers to a central location for access by a system operator. If files generated by multiple web servers are aggregated on a single computer, processing and analysis can be performed on all of the files. Generally, in one aspect, the invention relates to a system and method for transmitting content from one computer to another in a web service system. The web service system includes web servers that provide web pages in response to web page requests (113). First and second web server agents (106) provide an interface between the web service system and first and second computers, respectively. The first web server agent runs on the first computer and identifies at least a portion of a file for transmission to the second web server agent running on the second computer in the web service system. At least a portion of the file from the first web server agent is transmitted to the second web server agent and then stored by the second web server agent.

French Abstract

Dans un reseau dependant Web comportant un ou plusieurs serveurs Web, un systeme et un procede pour la distribution de contenu directement de chaque serveur Web a un ordinateur unique transferent des fichiers generes sur des serveurs Web a un emplacement central pour qu'un operateur systeme puisse y acceder. Si des fichiers generes par plusieurs serveurs Web sont rassembles dans un seul ordinateur, il est possible d'effectuer un traitement et une analyse sur tous ces fichiers. Generalement, selon un mode de realisation, l'invention concerne un systeme et un procede servant a transmettre un contenu d'un ordinateur a un autre ordinateur dans un reseau dependant Web. Le reseau dependant Web comprend des serveurs Web fournissant des pages Web en reponse a des

demandes de pages Web. Un premier et un deuxième agent serveur Web fournissent une interface entre le réseau dépendant Web et un premier et un deuxième ordinateur respectivement. Le premier agent serveur Web s'exécute sur le premier ordinateur et identifie au moins une partie d'un fichier à transmettre au deuxième agent serveur Web s'exécutant sur le deuxième ordinateur dans le réseau dépendant Web. Au moins une partie du fichier provenant du premier agent serveur Web est transmise au deuxième agent serveur Web, puis mémorisée par le deuxième agent serveur Web.

Legal Status (Type, Date, Text)

Publication 20010614 A2 Without international search report and to be republished upon receipt of that report.
Examination 20011025 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020214 Late publication of international search report
Republication 20020214 A3 With international search report.

18/5/19 (Item 19 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00806389

SCHEDULING AND PLANNING BEFORE AND PROACTIVE MANAGEMENT DURING MAINTENANCE AND SERVICE IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT
PROGRAMMATION ET PLANIFICATION ANTICIPEE, ET GESTION PROACTIVE AU COURS DE LA MAINTENANCE ET DE L'ENTRETIEN D'UN ENVIRONNEMENT DU TYPE CHAÎNE D'APPROVISIONNEMENT RESEAUTÉE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Boulevard, Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139082 A2 20010531 (WO 0139082)

Application: WO 2000US32228 20001122 (PCT/WO US0032228)

Priority Application: US 99447625 19991122; US 99444889 19991122

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/16**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 152479

English Abstract

French Abstract

L'invention concerne un système, un procédé, et un article manufacturé de gestion proactive mis en œuvre au cours de la maintenance et de l'entretien d'un environnement du type chaîne d'approvisionnement réseautée. Les appels téléphoniques, les données et autres informations multimedia sont routes via un réseau assurant le transfert des informations via Internet au moyen d'informations de routage téléphonique et d'informations d'adresse de protocole Internet. Ledit réseau comprend un gestionnaire de seuil proactif qui avertit à l'avance les fournisseurs

d'une rupture de contrat imminente. Ledit gestionnaire de seuil proactif envoie une alarme au fournisseur de services lorsque le niveau de service du moment n'atteint plus le niveau de service determine dans le contrat en termes de maintien d'un certain niveau de service.

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010927 Request for preliminary examination prior to end of 19th month from priority date
Declaration 20020103 Late publication under Article 17.2a
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18/5/20 (Item 20 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00806384

NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND METHOD THEREOF
GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

ANDERSEN CONSULTING LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)
Application: WO 2000US32324 20001122 (PCT/WO US0032324)
Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 171499

English Abstract

A system, method and article of manufacture are provided for asset management in a network-based supply chain. Utilizing a network, information is received information from at least one service provider. This information includes information relating to present network assets of the service provider. Information is also received utilizing the network from at least one manufacturer. The information from the manufacturers includes information relating to present network assets of the manufacturers. A determination is made for optimal network assets needed for the service provider and manufacturer based on the present network assets of service provider and the manufacturer. Based on this determination, the optimizing of the network assets is managed.

French Abstract

L'invention concerne un systeme, un procede et un article de fabrication

destines a la gestion d'actifs dans une chaine d'approvisionnement en reseau. Ce dernier permet de recevoir des informations provenant d'au moins un prestataire de services. Ces informations renferment des elements d'information se rapportant aux actifs actuels en reseau dudit prestataire. Elles sont egalement recues par le biais du reseau en provenance d'au moins un fabricant. Les informations des fabricants comportent des elements d'information se rapportant aux actifs actuels en reseau des fabricants. On determine les actifs en reseau optimaux necessaires au prestataire de services et au fabricant sur la base des actifs actuels en reseau desdits prestataire de services et fabricant. Cette determination permet de gerer l'optimisation des actifs en reseau.

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010913 Request for preliminary examination prior to end of 19th month from priority date

18/5/21 (Item 21 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00806383

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF

PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

ANDERSEN CONSULTING LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)

Priority Application: US 99444655 19991122; US 99444886 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 157840

English Abstract

A system, method and article of manufacture are provided for collaborative capacity planning during demand and supply planning in a network-based supply chain. Data access is provided from multiple simultaneous data sources utilizing a network for demand and supply planning in a network-based supply chain having at least one service provider and at least one manufacturer. Capacity data is stored utilizing the network.

French Abstract

On decrit un systeme, un procede et un article manufacture qui permettent d'effectuer la planification en collaboration des capacites lors de la planification de l'offre et de la demande dans une chaine d'approvisionnement fondee sur le reseau. L'accès aux donnees provient d'une pluralite de sources de donnees simultanees auxquelles on accede par un reseau en vue d'effectuer la planification de l'offre et de la demande dans une chaine d'approvisionnement fondee sur le reseau comprenant au moins un fournisseur de service et au moins un fabricant. Des donnees de capacite sont stockees au moyen du reseau.

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011206 Request for preliminary examination prior to end of 19th month from priority date

18/5/22 (Item 22 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00806382

METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A MARKET SPACE INTERFACE

PROCEDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHE ENTRE UNE PLURALITE DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (et al) (agent), Oppenheimer Wolff & Donnelly LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139028 A2 20010531 (WO 0139028)

Application: WO 2000US32308 20001122 (PCT/WO US0032308)

Priority Application: US 99444773 19991122; US 99444798 19991122

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK

LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 170977

English Abstract

French Abstract

On decrit un systeme, un procede et un article manufacture qui constituent une structure de chaine d'approvisionnement fondee sur le reseau. L'installation d'un service est geree au moyen d'un reseau. La demande et l'approvisionnement des offres de fabricant sont planifies au moyen du reseau et les commandes relatives aux offres du fabricant sont egalement gerees au moyen du reseau. Le reseau est egalement utilise pour gerer les actifs sur le reseau, y compris pour effectuer la maintenance

et le service pour les actifs de reseau au moyen du reseau.

Legal Status (Type, Date, Text)

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Declaration 20020725 Late publication under Article 17.2a
Republication 20020725 A2 With declaration under Article 17(2)(a); without
abstract; title not checked by the International
Searching Authority.

18/5/23 (Item 23 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00760627 **Image available**

**A SEMICONDUCTOR MEMORY CARD, PLAYBACK APPARATUS, RECORDING APPARATUS,
PLAYBACK METHOD, RECORDING METHOD, AND COMPUTER-READABLE RECORDING
MEDIUM**

**CARTE MEMOIRE A SEMI-CONDUCTEURS, APPAREILS DE REPRODUCTION SONORE ET
D'ENREGISTREMENT, PROCEDES DE REPRODUCTION SONORE ET D'ENREGISTREMENT,
ET SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR**

Patent Applicant/Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza Kadoma, Kadoma-shi,
Osaka 571-8501, JP, JP (Residence), JP (Nationality)

Inventor(s):

HIROTA Teruto, 1-20-1-306, Kaji-machi, Moriguchi-shi, Osaka 570-0015, JP
TAGAWA Kenji, 5-305, Myoukenzaka 5-chome, Katano-shi, Osaka 576-0021, JP
MATSUSHIMA Hideki, 10989 Bluffside Dr., #3217, Studio City, CA 91604, US
ISHIKAWA Tomokazu, 4-6-14, Sanwa-cho, Toyonaka-shi, Osaka 561-0828, JP
INOUE Shinji, 19-1-1142, Matsuya-cho, Neyagawa-shi, Osaka 572-0086, JP
KOZUKA Masayuki, 501 Coyle Avenue, Arcadia, CA 91008, US

Legal Representative:

NAKAJIMA Shiro, 6F, Yodogawa 5-Bankan, 2-1, Toyosaki 3-chome, Kita-ku,
Osaka-shi, Osaka 531-0072, JP

Patent and Priority Information (Country, Number, Date):

Patent: WO 200074059 A1 20001207 (WO 0074059)

Application: WO 2000JP3297 20000524 (PCT/WO JP0003297)

Priority Application: JP 99149893 19990528; JP 99236724 19990824; JP
99372606 19991228

Designated States: BR CA CN ID RU SG

Main International Patent Class: G11C-007/00

International Patent Class: **G06F-001/00 ; G06F-012/14**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 47581

English Abstract

An audio stream is divided into a plurality of audio object (AOB) files that are recorded having each been encrypted using a different encryption key. At least one piece of track management information (TKI) is provided corresponding to each track. Playlist information (PLI) assigns a playback position in a playback order to each track when a plurality of tracks are to be played back one after the other.

French Abstract

Selon la presente invention, une sequence audio est divisee en une pluralite de fichiers d'objets audio (AOB) qui sont enregistres apres cryptage au moyen d'une cle de cryptage differente. On realise au moins une information de gestion de piste (TKI) pour chaque piste. Une information de liste de diffusion (PLI) attribue a chaque piste un rang dans la liste de diffusion permettant de reproduire plusieurs pistes les unes apres les autres.

Legal Status (Type, Date, Text)

Publication 20001207 A1 With international search report.

Publication 20001207 A1 Before the expiration of the time limit for
amending the claims and to be republished in the
event of receipt of amendments.

18/5/24 (Item 24 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00488451 **Image available**

**INTEGRATED CUSTOMER INTERFACE FOR WEB BASED COMMUNICATIONS NETWORK
MANAGEMENT**

**INTERFACE CLIENT INTEGREE POUR LA GESTION DE RESEAUX DE COMMUNICATIONS
BASES SUR LE WEB**

Patent Applicant/Assignee:

BARRY B Reilly,
CHODORONEK Mark A,
DEROSE Eric,
GONZALES Mark N,
JAMES Angela R,
LEVY Lynne,
TUSA Michael,

Inventor(s):

BARRY B Reilly,
CHODORONEK Mark A,
DEROSE Eric,
GONZALES Mark N,
JAMES Angela R,
LEVY Lynne,
TUSA Michael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9919803 A1 19990422

Application: WO 98US20173 19980925 (PCT/WO US9820173)

Priority Application: US 9760655 19970926

Designated States: AU BR CA JP MX SG AT BE 'CH CY DE DK ES FI FR GB GR IE IT
LU MC NL PT SE

Main International Patent Class: **G06F-013/00**

International Patent Class: **G06F-017/30**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 90769

English Abstract

A web-based, integrated customer interface system (30) for enabling customer management of their communication network assets. A web-based GUI (20) enables a customer to interact with one or more network management resources and telecommunication services. The integrated interface system (30) includes: 1) a customer's network report management; 2) a centralized in-box system for online notifications to client workstation; 3) a real-time network services monitoring system; 4) broadband system for presenting physical and logical views of data networks and performance information; 5) a toll-free network management system enabling customization of 800/8xx toll free number routing; 6) Outbound Network Management (ONM); 7) packet-switched events monitoring; 8) a trouble ticket tool; 9) web-based invoice reporting for access to billing information; 10) web-based call manager; 11) on-line order entry and administrative service; 12) system for handling security and authentication.

French Abstract

Cette invention se rapporte a un systeme d'interface client integree (30) basee sur le Web, qui est concu pour permettre a des clients de gerer leurs avoirs sur des reseaux de communication. A cet effet, une interface utilisateur graphique (GUI) (20) basee sur le Web permet a un

client d'interagir avec une ou plusieurs ressources de gestion de reseau et avec un ou plusieurs services de telecommunications. Ce systeme d'interface integree (30) comprend: 1) une fonction de gestion de rapports reseau du client; 2) un systeme de corbeille d'arrivee centralise pour les notifications en ligne adressees a la station de travail client; 3) un systeme de surveillance des services de reseau en temps reel; 4) un systeme a bande large servant a presenter des vues physiques et logiques des reseaux de donnees et des informations sur les performances; 5) un systeme de gestion de reseau gratuit, permettant la personnalisation de l'acheminement des numeros gratuits du type 800/8xx; 6) une fonction de gestion de reseau de transmissions sortantes (ONM); 7) une fonction de surveillance des evenements a commutation par paquets; 8) un outil de gestion des appels de depannage; 9) une fonction de rapport sur les factures basee sur le Web et permettant l'accès aux informations de facturation; 10) un gestionnaire d'appels base sur le Web; 11) un service d'administration et d'entree des commandes en ligne; 12) et un systeme de gestion de la securite et de l'authentification.

18/5/25 (Item 25 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00418748 **Image available**

SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION

SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION DE DROITS ELECTRONIQUES

Patent Applicant/Assignee:

INTERTRUST TECHNOLOGIES CORP,

Inventor(s):

GINTER Karl L,
SHEAR Victor H,
SIBERT W Olin,
SPAHN Francis J,
VAN WIE David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9809209 A1 19980305

Application: WO 97US15243 19970829 (PCT/WO US9715243)

Priority Application: US 96706206 19960830

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN

MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI

FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: G06F-001/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 195626

English Abstract

The present invention provides systems and methods for electronic commerce including secure transaction management and electronic rights protection. Electronic appliances such as computers employed in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Secure subsystems used with such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Secure distributed and other operating system environments and architectures, employing, for example, secure semiconductor processing arrangements that may establish secure,

protected environments at each node. These techniques may be used to support an end-to-end electronic information distribution capability that may be used, for example, utilizing the "electronic highway".

French Abstract

La presente invention concerne des systemes et des procedes de commerce electronique comprenant une gestion de transactions securisees et la protection de droits electroniques. Des appareils electroniques tels que des ordinateurs utilisent conformement a la presente invention contribuent a assurer que l'accès aux informations et l'utilisation des informations ne se font que par des voies autorisees et ils maintiennent l'integrite, la disponibilite et/ou la confidentialite des informations. Des sous-systemes securises utilises avec ces appareils electroniques constituent un environnement de distribution virtuel (VDE) reparti pouvant faire valoir une chaine securisee de traitement et de commande, par exemple, pour commander et/ou mesurer ou encore controler l'utilisation d'informations memorisees ou disseminees electroniquement. Cet environnement de distribution virtuel peut etre utilise pour proteger les droits de divers participants dans le commerce electronique et dans d'autres transactions electroniques ou dans lesquelles intervient l'electronique. Des environnements et des architectures de systemes repartis securises et autres systemes d'exploitation emploient, par exemple, des arrangements de traitement a semi-conducteurs securises pouvant etabli des environnements proteges securises a chaque noeud. On peut utiliser ces techniques pour apporter un soutien a une capacite de distribution d'informations electroniques de bout-en-bout pouvant etre utilisees, par exemple, en empruntant l'"autoroute electronique".

18/5/26 (Item 26 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00401842 **Image available**

APPARATUS AND METHOD FOR MANAGING AND DISTRIBUTING DESIGN AND MANUFACTURING INFORMATION THROUGHOUT A SHEET METAL PRODUCTION FACILITY **APPAREIL ET METHODE CORRESPONDANTE PERMETTANT DE GERER ET DE REPARTIR UNE INFORMATION RELATIVE A LA CONCEPTION ET A LA FABRICATION DANS UNE INSTALLATION DE PRODUCTION DE TOLES**

Patent Applicant/Assignee:

AMADA METRECS CO LTD,
AMADASOFT AMERICA INC,

Inventor(s):

HAZAMA Kensuke,
KASK Kalev,
SAKAI Satoshi,
SUBBARAMAN Anand Hariharan,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9742586 A1 19971113

Application: WO 97US7471 19970506 (PCT/WO US9707471)

Priority Application: US 9616958 19960506; US 96690671 19960731

Designated States: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G06F-017/50

International Patent Class: G06F-17:60 ; G06T-07:40; G05B-19:4097

Publication Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 146782

English Abstract

An apparatus and method is provided for managing and distributing design and manufacturing information throughout a factory in order to facilitate the production of components, such as bent sheet metal components. In accordance with an aspect of the present invention, the management and distribution of critical design and manufacturing information is achieved by storing and distributing the design and manufacturing information associated with each job. By replacing the traditional paper job set-up

or work sheet with, for example, an electronically stored job sheet that can be accessed instantaneously from any location in the factory, the present invention improves the overall efficiency of the factory. In addition, through the various aspects and features of the invention, the organization and accessibility of part information and stored expert knowledge is improved.

French Abstract

L'invention porte sur un appareil ainsi que sur la methode correspondante permettant de gerer et de repartir une information dans une usine afin de faciliter la production de composants, des toles cintrees par exemple. Selon un aspect de cette invention, la gestion et la repartition d'information critique relative a la conception et a la fabrication sont menees a bonne fin par le biais d'une memorisation et d'une repartition d'une information relative a la conception et a la fabrication associee a chaque tache. En remplaçant la classique fiche de preparation du travail ou le bon de travail traditionnel, notamment, par un releve d'operation memorise par voie electronique, accessible instantanement de n'importe quel poste de l'usine, cette invention permet d'ameliorer la productivite de l'usine dans son ensemble. En outre, du fait des aspects varies que revet cette invention ainsi que de ses particularites, la mise en place de l'information et des competences techniques memorisees relatives aux pieces a produire ainsi que l'accessibilite a ces donnees se trouvent ameliorees.

18/5/27 (Item 27 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00235236 **Image available**

FILE MANAGEMENT SYSTEM UTILIZING HARDWARE AND SOFTWARE FOR RECORDABLE, OPTICAL COMPACT DISC
SYSTEME DE GESTION DE FICHIER UTILISANT UN MATERIEL ET UN LOGICIEL POUR DISQUE COMPACT OPTIQUE ENREGISTRABLE

Patent Applicant/Assignee:

MERIDIAN DATA INC,

Inventor(s):

MEYER Frederick P,

NEAR Scott W,

HOSHAW David L,

SAVILLE Winthrop L III,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9309496 A1 19930513

Application: WO 92US9274 19921104 (PCT/WO US9209274)

Priority Application: US 91464 19911104

Designated States: CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE

Main International Patent Class: **G06F-012/00**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9553

English Abstract

A file management system utilizing recordable compact disc (CD) hardware and software which provides a low-cost, compact disc recording across a wide variety of computer platforms. The file management system according to the present invention includes an optical memory (CDROM), a host computer (12) including a first operating system and an orange book type of recorder (24) for handling exchange of data with the optical memory. The file management system further includes a peripheral device (20) which interfaces with both the host computer (12) and the orange book recorder (24) and provides file management for the orange book recorder (24) so as to establish direct compatibility between the first operating system and the optical memory.

French Abstract

L'invention concerne un systeme de gestion de fichier utilisant un materiel et un logiciel pour disque compact (CD) et qui permet de realiser un enregistrement sur disque compact peu couteux et avec une large gamme de systemes d'ordinateur. Le systeme de gestion de fichier selon la presente invention comprend une memoire optique (CDROM), un ordinateur central (12) comprenant un premier systeme d'exploitation et un enregistreur du type "livre orange" (24) pour realiser l'echange de donnees avec la memoire optique. Le systeme de gestion de fichier comprend en outre une unite peripherique (20) reliee a la fois a l'ordinateur central (12) et a l'enregistreur du type "livre orange" (24) et qui assure la gestion de fichier pour l'enregistreur du type "livre orange" (24) de facon a creer une compatibilite directe entre le premier systeme d'exploitation et la memoire optique

Set	Items	Description
S1	70847	SYSTEM?(2N) (OBJECT? OR FILE? OR SECTOR? OR HEADER?)
S2	6950333	DATA OR CONTENT? OR INFORMATION?
S3	5960815	UPDATE? OR NEW OR NEWER OR REVISE? OR LATEST OR CURRENT? OR LAST
S4	84325	(DIFFERENT? OR OPPOSITE? OR DISCRETE?) (3N) (SECTOR? OR AREA? ? OR LOCATION? OR LOCAL? OR PLACE? OR END OR ENDS)
S5	13274	(FIRST OR INITIAL OR PRIOR OR BEFORE OR PRIMARY) (3N) (ACCES- S? OR READ?)
S6	46778	(OPTICAL OR WORM) (N) (DISK? OR DISC? ? OR STORAGE? OR MEMOR- ?) OR WRITE()ONCE()READ OR CDR OR CD()R OR DVDR OR DVD()R
S7	444	S1 AND S6 AND S2
S8	0	S3 AND S4 AND S7
S9	1	S7 AND S4
S10	1	S7 AND S5
S11	131	S1 AND S3 AND S6
S12	1	S4 AND S5 AND S6
S13	0	S4 AND S11
S14	0	S5 AND S11
S15	87	S1(10N)S6(10N)S2
S16	62	S1(5N)S6(5N)S2
S17	0	S16 AND S4
S18	15	S16 AND S3
S19	0	S16 AND S5
S20	10	S1(5N)S3(5N)S6
S21	28	S9 OR S10 OR S12 OR S18 OR S20
S22	28	S21 NOT PY>2000
S23	28	S22 NOT PD>20000502
File	8:EI	Compendex(R) 1970-2002/Aug W1 (c) 2002 Engineering Info. Inc.
File	77:	Conference Papers Index 1973-2002/Jul (c) 2002 Cambridge Sci Abs
File	238:	Abs. in New Tech & Eng. 1981-2002/Jul (c) 2002 Reed-Elsevier (UK) Ltd.
File	35:	Dissertation Abs Online 1861-2002/Jul (c) 2002 ProQuest Info&Learning
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File	94:	JICST-EPlus 1985-2002/Jun W2 (c)2002 Japan Science and Tech Corp(JST)
File	233:	Internet & Personal Comp. Abs. 1981-2002/Aug (c) 2002 Info. Today Inc.
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File	434:	SciSearch(R) Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info
File	62:	SPIN(R) 1975-2002/Jul W2 (c) 2002 American Institute of Physics
File	99:	Wilson Appl. Sci & Tech Abs 1983-2002/Jun (c) 2002 The HW Wilson Co.

23/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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04557394 E.I. No: EIP96113417771

Title: Hierarchies of indices for text searching

Author: Baeza-Yates, Ricardo; Barbosa, Eduardo F.; Ziviani, Nivio

Corporate Source: Universidad de Chile, Santiago, Chile

Source: Information Systems v 21 n 6 Sep 1996. p 497-514

Publication Year: 1996

CODEN: INSYD6 ISSN: 0306-4379

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical); X; (Experimental)

Journal Announcement: 9701W2

Abstract: We present an efficient implementation of a recently known index for text databases, when the database is stored on secondary storage devices such as magnetic or optical disks. The implementation is built on top of a new and simple index for texts called PAT array (or suffix array). Considering that text searching in a large database spends most of the time accessing external storage devices, we propose additional index structures and searching algorithms for PAT arrays that reduce the number of disk accesses. We present two index structures: a two-level hierarchy model that uses main memory and one level of external storage (magnetic or optical devices) and a three-level hierarchy model that uses main memory and two levels of external storage (magnetic and optical devices). Performance improvement is achieved in both models by storing most of higher index levels in faster memories, thus reducing accesses in the slowest devices in the hierarchy. Analytical and experimental results are presented for both models. For 160 megabytes of text stored on CD-ROM disk the two-level model using 2 megabytes of main memory costs 20% of the PAT array used as a single level. (Author abstract) 18 Refs.

Descriptors: Database systems; File organization; Indexing (of information); Magnetic disk storage; Optical disk storage; CD-ROM; Algorithms; Performance; Mathematical models; Storage allocation (computer)

Identifiers: Index hierarchy; Memory hierarchy; Text searching; Suffix array; Patricia tree

Classification Codes:

723.3 (Database Systems); 723.2 (Data Processing); 903.1 (Information Sources & Analysis); 722.1 (Data Storage, Equipment & Techniques); 741.3 (Optical Devices & Systems); 723.1 (Computer Programming)

723 (Computer Software); 903 (Information Science); 722 (Computer Hardware); 741 (Optics & Optical Devices)

72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING); 74 (OPTICAL TECHNOLOGY)

23/5/2 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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04106404 E.I. No: EIP95032617711

Title: New media interchange standards for rewritable optical systems

Author: Zollo, Robert A.

Corporate Source: OSTA

Source: Computer Technology Review v 15 n 1 Jan 1995. p 44

Publication Year: 1995

CODEN: CTERES ISSN: 0278-9647

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications)

Journal Announcement: 9505W2

Abstract: The ISO 13346 standard for media and file interchange was published as the first recognized international definition applying to rewritable optical drive subsystems and a specification for implementing this ISO standard that would facilitate basic MO media interchange has been defined.

Descriptors: Optical disk storage; Optical systems; Channel capacity; Computer systems; Data transfer; Standards; Computer operating systems;

User interfaces; File organization; Specifications
Identifiers: Rewritable optical systems; Media interchange standards;
File interchange; ISO standard; Data flow
Classification Codes:
722.1 (Data Storage, Equipment & Techniques); 741.3 (Optical Devices & Systems); 716.1 (Information & Communication Theory); 722.4 (Digital Computers & Systems); 723.2 (Data Processing); 902.2 (Codes & Standards)
722 (Computer Hardware); 741 (Optics & Optical Devices); 716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software); 902 (Engineering Graphics & Standards)
72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY); 71 (ELECTRONICS & COMMUNICATIONS); 90 (GENERAL ENGINEERING)

23/5/3 (Item 3 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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03323229 E.I. Monthly No: EI9111133837

Title: **Entering a new phase.**
Author: Ryan, Bob
Corporate Source: BYTE, Peterborough, NH, USA
Source: Byte v 15 n 12 Nov 1990 p 289
Publication Year: 1990
CODEN: BYTEDJ ISSN: 0360-5280
Language: English
Document Type: JA; (Journal Article) Treatment: G; (General Review); A; (Applications)
Journal Announcement: 9111

Abstract: Optical and magnetic storage represent **opposite ends** of the spectrum. **Optical storage** is volume storage, while magnetic media offer performance. Now, by combining the capacity of magnet-optical (MO) storage with enhanced performance, an new **optical storage** technology--rewritable phase change--promises to practically close the gap between optical and magnetic storage. Phase-change technology has existed since the 1960s and is used in many commercial WORM (**write once, read many times**) drives. Now it has become rewritable. Phase-change technology is the **first read/write optical storage** technology that allows for the direct overwriting of old data by new. By offering the high capacity and removability of optical media while eliminating the need to erase the media before writing, phase change holds a definite theoretical advantage over MO storage. It remains to be seen whether Matsushita and others can translate this advantage into superior products.

Descriptors: DATA STORAGE, OPTICAL --*Disk; DATA STORAGE, MAGNETIC--Disk; COMPUTER PERIPHERAL EQUIPMENT--Disk Drives; COMPUTER HARDWARE

Identifiers: PHASE CHANGE TECHNOLOGY; MAGNETO OPTICAL (MO) STORAGE;
WRITE ONCE READ MANY TIMES (WORM)

Classification Codes:
722 (Computer Hardware)
72 (COMPUTERS & DATA PROCESSING)

23/5/4 (Item 4 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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02686009 E.I. Monthly No: EI8812115841

Title: **OPTICAL FILE CABINET: A RANDOM-ACCESS FILE SYSTEM FOR WRITE-ONCE OPTICAL DISKS.**

Author: Gait, Jason
Corporate Source: Tektronix, Beaverton, OR, USA
Source: Computer v 21 n 6 Jun 1988 p 11-22
Publication Year: 1988
CODEN: CPTRB4 ISSN: 0018-9162
Language: English
Document Type: JA; (Journal Article) Treatment: A; (Applications); X; (Experimental)
Journal Announcement: 8812

Abstract: The Optical File Cabinet (OFC), a random-access file system for write-once optical disks, is patterned after a conventional office file cabinet where all versions of a stored item are retained, but the **current** version of each item is the easiest to find. The OFC retains the favorable aspects of write-once optical disks while preserving the existing relationship between the operating system and the file system. Alternate approaches to write-once storage and the characteristics of write-once optical disks are described. The salient features of the OFC are examined, namely, the file system tree, growable data structures, and the large memory requirement. The relationship between the OFC and the operating system is discussed. Also considered are reliability, the user-level software interface, long-term storage, simulating the OFC, and implementation of the OFC on a Tektronix 4404 engineering work. 14 refs.

Descriptors: *DATA STORAGE, OPTICAL; DATA STORAGE, DIGITAL--Random Access ; DATA PROCESSING--File Organization

Identifiers: OPTICAL FILE CABINET (OFC); WRITE-ONCE **OPTICAL DISKS** ; **FILE SYSTEM TREE**; GROWABLE DATA STRUCTURE

Classification Codes:

741 (Optics & Optical Devices); 722 (Computer Hardware); 723 (Computer Software)

74 (OPTICAL TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING)

23/5/5 (Item 5 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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02158693 E.I. Monthly No: EI8701002657

Title: **EXPERIENCE IN THE DEVELOPMENT OF A SCIENTIFIC DATA FILE MANAGEMENT SYSTEM FOR USE WITH OPTICAL DISKS .**

Author: Jones, P. M.

Corporate Source: European Space Research & Technology Cent, Noordwijk, Neth

Source: ESA Journal (European Space Agency) v 10 n 2 1986 p 211-219

Publication Year: 1986

CODEN: ESAJDW

Language: ENGLISH

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 8701

Abstract: The need for storage of large quantities of data which can be retrieved randomly is becoming an increasing problem in the scientific world. The arrival of optical disk systems was hailed as the panacea, but the caution shown by computer manufacturers in adopting these devices as peripherals and the problems of implementation by individual users have resulted in a slow development of these systems. The pressing need within ESA's Planetary and Space Science Division at ESTEC to archive their scientific data (**currently** about 50 gigabytes) on suitable media has led to the purchase of an optical disk drive for which the Mathematical Support Division has produced a file-management system. This paper describes the system implemented and a proposal for a future system, in the hope that it will stimulate interest in what has been proved to be a much needed device. (Author abstract)

Descriptors: *DATABASE SYSTEMS--Management; DATA STORAGE, OPTICAL--Storage Devices; DATA PROCESSING--File Organization

Classification Codes:

723 (Computer Software); 741 (Optics & Optical Devices); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY)

23/5/6 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01125291 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.

DEVELOPMENT OF A FILE SYSTEM AND SIMPLE USER INTERFACE FOR A WORM DISK

Author: HALIMAH, YUMIWATY

Degree: M.S.

Year: 1989
Corporate Source/Institution: THE UNIVERSITY OF WOLLONGONG (AUSTRALIA) (0727)
Source: VOLUME 28/04 of MASTERS ABSTRACTS.
PAGE 604.
Descriptors: COMPUTER SCIENCE
Descriptor Codes: 0984

The write-once optical disk is known as write-once-read-mainly (WORM) disk. The drive for the disk permits each sector of the disk to be written once only, but allows each sector to be read as often as possible.

The existing well-developed **file systems** for magnetic disks are not suitable to be implemented on the **WORM disk**. The reason is that the **current file systems** depend on the ability to rewrite each disk block in place and this characteristic is not found in the WORM disk.

This project develops a simple single-user file system and a rudimentary user interface for a SONY WORM disk. The system uses a set of low level I/O routines developed in the Department of Computer Science for a SONY WORM disk. The system is run on a simulated WORM disk. Only basic retrieval and update facilities were implemented.

23/5/7 (Item 1 from file: 202)
DIALOG(R)File 202:Information Science Abs.
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3102252

Data storage library array with log-structured file system which allows simultaneous write and garbage collection.

Author(s): Ford, D A; Morris, R.J.T.

Patent Number(s): US 5530850

Publication Date: Jun 25, 1996

Language: English

Document Type: Patent

Record Type: Abstract

Journal Announcement: 3100

A **data** storage library system, preferably arranged in an array of independent libraries, uses a log-structured file (LSF) **data** architecture and assigned roles for the individual storage devices in the library. Each library includes a plurality of storage devices, such as **optical disk** drives, and a store of removable media units, such as **optical disks**, that are mounted and dismounted from the storage devices. The log-structured library is similar to fixed media systems having LSF **data** architectures in that it employs a directory to map the local address of a **data** set to its physical storage location, but is **different** in that it divides the jobs of reading and writing (log accesses) and garbage collection among the different storage devices of the library. As required, the dismountable media units are moved from the storage area and mounted on a device assigned the appropriate role. The roles assigned to the storage devices are flexible and can change as needed. The system allows both log accesses and garbage collection to occur simultaneously.

Descriptors: **File systems ; Information storage; Storage (computer)**
Classification Codes and Description: 5.07 (Storage)
Main Heading: **Information Processing and Control**

23/5/8 (Item 2 from file: 202)
DIALOG(R)File 202:Information Science Abs.
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2603881

Write once read many optical disc storage system having directory for storing virtual address and corresponding up-to-date sector address.

Author(s): Kozuka, M; Miki, T.

Patent Number(s): US 5040110

Publication Date: Aug 13, 1991

Language: English
Document Type: Patent
Record Type: Abstract
Journal Announcement: 2600

An information management system for writable optical discs, includes a disc on which data and management information are recorded; an operating system in which **data** in a read only **optical disc** can be managed by means of **files**, the operating **system** having a read instruction and a write instruction; read control portion for changing the read instruction directed to the read only optical disc into a read address instruction directed to the disc, the read control portion having modifying and loading portion for changing the management information into mutual information having a format of the read only optical disc; internal storage for storing the mutual information; and access changing portion responsive to the read instruction for switching an access target such that the access target is the disc when the read instruction is directed to the data recorded on the disc, and that the access target is the internal storage when the lead instruction is directed to the management information recorded on the disc; and write control portion for renewing the address modifying information in the read control portion in response to the write instruction when **new** data is written in the disc.

Descriptors: Directories; Disk storage; Information management; Information storage

Classification Codes and Description: 5.07 (Storage); 5.06 (Software and Programming)

Main Heading: Information Processing and Control

23/5/9 (Item 3 from file: 202)
DIALOG(R)File 202:Information Science Abs.
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2601680

Software for mass storage systems.

Author(s): Ranade, S

Corporate Source: ST Systems Corp., Lanham, MD

Optical Information Systems vol. 10, no. 5, pages 256-269

Publication Date: Sep 1990

ISSN: 0886-5809

Language: English

Document Type: Journal Article

Record Type: Abstract

Journal Announcement: 2600

This paper discusses the replacement of the concept of the optical disk jukebox by that of the more general mass storage system using a hierarchy of mass storage devices including magnetic disk arrays, optical disks, and helical scan tapes. A file server software is generalized to include support for various **new** features including automatic file migration, file restoration, and network access through standard utilities such as FTP. Two conceptual models of storage server software are presented. Various commercial software products are discussed.

Descriptors: Disk storage; **File systems** ; **Information storage** ; **Optical disks**

Classification Codes and Description: 5.07 (Storage); 6.01 (Networks, Regional Systems, Consortia); 6.05 (Physical Sciences and Engineering)

Main Heading: Information Processing and Control; Information Systems and Applications

23/5/10 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
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6007270 INSPEC Abstract Number: C9810-5320K-003

Title: Packet writing and UDF. CD recording's logical next step

Author(s): McMurdie, M.; Griffith, R.
Journal: EMedia Professional vol.10, no.5 p.30-8
Publisher: Online Inc,
Publication Date: May 1997 Country of Publication: USA
CODEN: EMPRFN ISSN: 1090-946X
SICI: 1090-946X(199705)10:5L:30:PWRL;1-5
Material Identity Number: F339-98017
U.S. Copyright Clearance Center Code: 1090-946X/97/\$2.00+00.20
Language: English Document Type: Journal Paper (JP)
Treatment: General, Review (G); Practical (P)

Abstract: The promise of packet writing, the newest innovation in CD recording, is the ability to write small increments of data to CD without requiring the huge amounts of overhead time and space required in CD recording previously. UDF (Universal Disk Format), which is the packet writing-enabling successor to CD's long-standing ISO 9660 **file system**, promises to overcome the limitations of past generations of **CD - R**. At **last**, with the advent of UDF and packet writing, CD-R is poised to become what its long-time advocates have believed it could all along: a mainstream desktop storage medium. (0 Refs)

Subfile: C

Descriptors: CD-ROMs; data recording; file organisation

Identifiers: packet writing; UDF; Universal Disk Format; CD recording;
CD-R; small data increments; ISO 9660 file system; desktop storage medium;
CD-ROM; compact discs

Class Codes: C5320K (Optical storage); C6120 (File organisation)

Copyright 1998, IEE

23/5/11 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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03731125 INSPEC Abstract Number: C90064506

Title: File architectures for MO jukeboxes

Author(s): Balafas, D.M.

Author Affiliation: Zetaco Inc., Eden Prairie, MN, USA

Conference Title: 1990 UniForum Conference Proceedings p.199-208

Publisher: UniForum, Washington, DC, USA

Publication Date: 1990 Country of Publication: USA viii+349 pp.

Conference Sponsor: UniForum

Conference Date: 23-25 Jan. 1990 Conference Location: Washington, DC, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: There is a variety of data storage media now available for UNIX systems that has more advantageous features than magnetic disk can offer. One of these, magneto-optical, or rewriteable optical as it is commonly called, allows a more attractive megabyte-per-dollar ratio than magnetic disk. One way UNIX systems can gain the great benefits of rewriteable **optical disk** is by transparently integrating it into their **current UNIX file system**. In a UNIX environment that does not support a Virtual File System (VFS) architecture, two key areas of the UNIX file system can be enhanced to allow acquisition of files on an optical platter stored in a jukebox. With changes to the superblock and the inode structure, the UNIX file system can address hundreds of gigabytes of information as easily and as smoothly as if they were on magnetic disk. The author discusses the implementation of such a system. (0 Refs)

Subfile: C

Descriptors: file organisation; magneto-optical recording; storage allocation; Unix

Identifiers: file architectures; MO jukeboxes; data storage media; UNIX; magneto-optical; rewriteable optical

Class Codes: C6120 (File organisation); C6150J (Operating systems)

23/5/12 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2002 Institution of Electrical Engineers. All rts. reserv.

03163157 INSPEC Abstract Number: C88037211

Title: Merging resources for information management

Author(s): Millican, D.D.

Journal: Inform vol.2, no.4 p.16-17

Publication Date: April 1988 **Country of Publication:** USA

CODEN: INFREN **ISSN:** 0745-9963

Language: English **Document Type:** Journal Paper (JP)

Treatment: Practical (P)

Abstract: Forward thinking executives are establishing an overall information resource management (IRM) plan which will take their businesses into the future. An effective IRM program increases productivity and improves managerial, professional, and clerical efficiency. It integrates technologies, assures proper balance of human resources, and brings about a positive work atmosphere. The author sees the establishment of a **new** corporate officer who is responsible for the total IRM program-the chief information officer (CIO). Managers of corporate functions which formerly operated independently would meet monthly with the CIO. In these meetings, the records manager, micrographics director, word processing manager, telecommunications manager, director of planning, and MIS director would review with the CIO their part in the company's overall information system plan, prepare long and short term plans, and discuss ways to implement the program. They would examine: records and **files systems**, micrographic **systems**, **information systems**, **optical disc systems**, word processing and **data integrity**. (0 Refs)

Subfile: C

Descriptors: DP management; personnel; professional aspects; technological forecasting

Identifiers: IRM plan; DP management; technology integration; record systems; executives; overall information resource management; effective IRM program; productivity; clerical efficiency; human resources; positive work atmosphere; corporate officer; chief information officer; CIO; corporate functions; records manager; micrographics director; word processing manager; telecommunications manager; MIS director; information system plan; files systems; micrographic systems; optical disc systems; data integrity

Class Codes: C0310 (EDP management)

23/5/13 (Item 4 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2002 Institution of Electrical Engineers. All rts. reserv.

03119939 INSPEC Abstract Number: C88031429

Title: Computer based publishing in the Australian Patent Office

Author(s): Wilson, R.; Tipson, H.

Journal: World Patent Information vol.10, no.1 p.41-5

Publication Date: 1988 **Country of Publication:** USA

CODEN: WPAID2 **ISSN:** 0172-2190

U.S. Copyright Clearance Center Code: 0172-2190/88\$3.00+.00

Language: English **Document Type:** Journal Paper (JP)

Treatment: Applications (A)

Abstract: The Australian Patent Office has a legislative requirement to publish particulars of patent, trademark and design activity within Australia. In 1985-6, the Office investigated the possibilities of computer based processing for its regular weekly publications. The investigation considered how best to hold and retrieve text data, how patent, trademark and design images might be processed and what computer based publishing software and hardware could be used to lower overall publishing costs. Following the investigation, the Australian Patent Office developed a publishing system using Adabas to hold text **data**, Olivetti's **Filenet optical disk system** to hold images, the Xerox 'XICS' software system to produce typesetting masters and a Xerox 9700 laser printer to print high quality output. In January 1987, the patent and trademarks weekly journals were issued for the first time using a computer database of text and images. The **new** publications are easier to produce, are of a higher quality and have been well received by subscribers. As a result of the computerisation, the publication costs for the journals have been reduced substantially. This article describes how this system was developed and

implemented, the benefits achieved by the Patent Office and identifies likely future directions. (0 Refs)

Subfile: C

Descriptors: computer controlled typesetting; industrial property; publishing

Identifiers: Olivetti Filenet optical disc system; Xerox XICS; Australian Patent Office; weekly publications; text data; design images; computer based publishing; publishing costs; Adabas; typesetting masters; Xerox 9700 laser printer; high quality output; trademarks

Class Codes: C7230 (Publishing and reproduction)

23/5/14 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2002 Institution of Electrical Engineers. All rts. reserv.

03105272 INSPEC Abstract Number: C88023838

Title: Software development and storage on writer-once optical drives

Author(s): Putnam, T.M.

Conference Title: Optical Publishing and Storage: Products that Work. Proceedings of Optical Publishing and Storage '87 - The Conference on the Applications of Optical Information Systems in Publishing p.145-50

Publisher: Learned Inf, Medford, NJ, USA

Publication Date: 1987 Country of Publication: USA vii+197 pp.

ISBN: 0 938734 22 9

Conference Sponsor: Learned Inf

Conference Date: 11-13 Nov. 1987 Conference Location: New York, NY, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Write-once optical drives are ideally suited to store the large amounts of data created in a software development environment. One of the difficulties facing software engineers is maintaining working versions, release versions and test code in personal workstations with inadequate long term storage. In order to simplify the archival, retrieval and storage functions of computer users, write-once drive manufacturers have written software to help meet the needs of computer users in all fields. This paper discusses the approaches taken to integrate the operating system and the optical drive. Several different types of software are **currently** available to satisfy the needs of **optical disk** users. **File systems** allow access to a vendor-unique directory structure through functions provided in libraries. Transparent device drives provide a seamless interface between the drive and the operating system. Archival systems permit easy backup of magnetic drives and on-line recovery of data. Optical drives provide a low cost solution to the storage problems frequently encountered by users of personal workstations. The drives can be easily installed on multi-user systems or local area networks to be shared by a small group or department. The 400 plus megabyte removable media cartridge makes write-once optical storage one of the cheapest per megabyte storage mediums presently available. (2 Refs)

Subfile: C

Descriptors: information storage; optical disc storage; software engineering

Identifiers: data archiving; data retrieval; data storage; file systems; transparent device drives; online data recovery; WORM discs; writer-once optical drives; software development; working versions; release versions; test code; personal workstations; long term storage; operating system; directory structure; libraries; backup; multi-user systems; local area networks; removable media cartridge

Class Codes: C5320K (Optical storage); C6110B (Software engineering techniques); C7250 (Information storage and retrieval)

23/5/15 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2002 Institution of Electrical Engineers. All rts. reserv.

03104351 INSPEC Abstract Number: C88024437

Title: A file management method of write-once optical disks

Author(s): Shimoi, K.; Uehara, T.

Author Affiliation: Central Res. Lab., Hitachi Ltd., Ibaraki, Japan

Journal: Transactions of the Information Processing Society of Japan
vol.28, no.7 p.794-7

Publication Date: 1987 Country of Publication: Japan

CODEN: JSGRD5 ISSN: 0387-5806

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Proposes a new file management system for write-once optical disks. In this system, when a new file, whose data size is unknown, is appended to the optical disk, the highest address of the free data area is temporarily written in a file label. After the file has been written, the actual end of file address is written in another file label, and the temporary label is voided. Using these two file labels permits users to not worry about the amount of free memory space in the memory space allocation, and it eases the data recovery operation after an error has been detected during data transfer. (3 Refs)

Subfile: C

Descriptors: file organisation; optical disc storage

Identifiers: error detection; write-once optical disks; file management system; data size; free data area; file label; end of file address; free memory space; data recovery operation; data transfer

Class Codes: C5320K (Optical storage); C6120 (File organisation)

23/5/16 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2002 Institution of Electrical Engineers. All rts. reserv.

02981995 INSPEC Abstract Number: C87061591

Title: Case study/Osaka Gas Co. Ltd. (construction of in-house databases in a corporation)

Author(s): Kato, T.

Author Affiliation: Osaka Gas Co. Ltd., R&D Planning Dept., Japan

Journal: Joho Kanri vol.30, no.3 p.256-62

Publication Date: June 1987 Country of Publication: Japan

CODEN: JOKAAB ISSN: 0021-7298

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Applications (A); General, Review (G)

Abstract: Osaka Gas Co. Ltd. constructed Osaka Gas Technical Information System (OGTIS) in 1979, which stores and retrieves the in-house technical information and provides even primary materials by unifying optical disk files, facsimile system and so on. The major information sources are technical materials, survey materials, planning documents, design materials, research reports, business tour reports which are all generated inside the company. At the present moment it amounts to 25000 items in total adding 1000 items annually. The data file is updated once in a month and also outputs the abstract journal OGTIS Report monthly. In 1983 it constructed the Systems for International Exchange of Personal Information (SIP) as a subsystem of OGTIS in order to compile the SIP database which covers exchanges with overseas enterprises or organizations. The data size is 2600 items in total, adding about 500 annually with monthly data updating. (2 Refs)

Subfile: C

Descriptors: information dissemination; information services

Identifiers: Osaka Gas Technical Information System; in-house technical information; optical disk files; facsimile system; abstract journal; OGTIS Report

Class Codes: C7210 (Information services and centres); C7220 (Generation, dissemination, and use of information); C7250 (Information storage and retrieval)

23/5/17 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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02807905 INSPEC Abstract Number: C87012846

Title: Experience in the development of a scientific data file management system for use with optical disks

Author(s): Jones, P.M.

Author Affiliation: Math. Support Div., ESTEC, Noordwijk, Netherlands

Journal: ESA Journal vol.10, no.2 p.211-19

Publication Date: 1986 **Country of Publication:** Netherlands

CODEN: ESAJDW **ISSN:** 0379-2285

Language: English **Document Type:** Journal Paper (JP)

Treatment: Practical (P)

Abstract: The need for storage of large quantities of data which can be retrieved randomly is becoming an increasing problem in the scientific world. The arrival of optical disk systems was hailed as the panacea, but the caution shown by computer manufacturers in adopting these devices as peripherals and the problems of implementation by individual users have results in a slow development of these systems. The pressing need within ESA's Planetary and Space Science Division at ESTEC to archive their scientific (currently about 50 gigabytes) on suitable media has led to the purchase of an optical disk drive for which the Mathematical support division has produced a file-management system. The author describes the system implemented and a proposal for a future system. (0 Refs)

Subfile: C

Descriptors: information retrieval systems; optical disc storage

Identifiers: optical disc storage; IRS; ESA; WORM; scientific data file management system; optical disks; ESTEC; optical disk drive; Mathematical support division

Class Codes: C5320K (Optical storage); C7250C (Bibliographic systems)

23/5/18 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

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02365644 INSPEC Abstract Number: D85000124

Title: Optical disk storage/retrieval system

Journal: Office Administration and Automation vol.45, no.11 p.70

Publication Date: Nov. 1984 **Country of Publication:** USA

CODEN: OAAUDF **ISSN:** 0745-4325

Language: English **Document Type:** Journal Paper (JP)

Treatment: Practical (P)

Abstract: The latest optical disk -based system is from FileNet Corp., and it claims to provide on-line mass storage and retrieval of up to 20-million page images. According to FileNet, optional software also can replace the slow and often disorderly movement of paper documents with a desktop-to-desktop flow of electronic images, adding new dimensions to records and information management. The system captures the exact images of documents-printed, typed, handwritten, or drawn. It then stores these images on inexpensive, random-access, tamper-proof, non-erasable optical disks. These images can then be retrieved, viewed, and processed at multifunction workstations with high-resolution windowed screens. (0 Refs)

Subfile: D

Descriptors: information retrieval systems; optical disc storage

Identifiers: information retrieval; FileNet; on-line mass storage; images ; optical disks; multifunction workstations; high-resolution windowed screens

Class Codes: D2080 (Information services and database systems)

23/5/19 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

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02264606 INSPEC Abstract Number: D84001463

Title: Controlling the flow (insurance industry)

Author(s): Mortenson, P.K.

Journal: Best's Review - Property/Casualty Insurance Edition vol.85, no.1 p.74-6

Publication Date: May 1984 **Country of Publication:** USA

CODEN: BRPIDU ISSN: 0161-7745

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G); Practical (P)

Abstract: Information sharing among insurance companies is one way in which a company can use information distribution to improve its 'bottom line'. Another promising method is agency automation. Once an agency has a computer, information can travel quickly between the agency and the home office via one of several communication networks. **New** technology continues to bring profound changes in the insurance industry. One area of importance is the evolution of artificial intelligence. Nationwide is **currently** using a decision support system which exhibits some of the features of artificial intelligence. Another interesting development is the concept of smart cards, which resemble credit cards, but contain, in addition to a magnetic identity strip, an embedded programmable microprocessor. Waiting in the wings is a breakthrough in the storage and retrieval of **data**. Optical document **file systems**, based on erasable **optical disc** technology, are due to enter the market place in 1985, and 1986 should see the introduction of optical storage workstations. In choosing modern technology each insurance company is actually choosing where to enhance and where to restrict the flow of information. Successful companies will be those in which policies on information flow like policies on cash flow, are made at the highest levels. (0 Refs)

Subfile: D

Descriptors: artificial intelligence; insurance data processing; management information systems; optical storage

Identifiers: insurance agency automation; optical document file systems; insurance companies; information distribution; communication networks; artificial intelligence; Nationwide; decision support; smart cards; embedded programmable microprocessor; erasable optical disc technology; optical storage workstations; information flow

Class Codes: D2080 (Information services and database systems); D2050G (Insurance)

23/5/20 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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00934442 JICST ACCESSION NUMBER: 90A0047470 FILE SEGMENT: JICST-E

In the hope of improvement of information services.

HISHIYAMA KEN'ICHIRO (1)

(1) Nihon Unisys, Ltd.

Senmon Toshokan(Bulletin of the Japan Special Libraries Association), 1989, NO.125, PAGE.83-90, FIG.3

JOURNAL NUMBER: G0415ABR ISSN NO: 0385-0188

UNIVERSAL DECIMAL CLASSIFICATION: 02

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: The Information Service Center of the NIHON UNISYS Ltd. started operation in 1970 as an open-stack library. The scope of operation of the Center at that time was limited to such traditional library works as acquisition, technical processing, and circulation. However, the recent expansion of the business of the parent body, the NIHON UNISYS Ltd., and the diversification of information needs both in quality and quantity have required the Center to reshape its library services. To cope with this situation, the Center strived to improve reference service and apply an integrated office automation system. The databases for on-line information retrieval service have also been developed since 1983. The databases compile the various files, e.g., the book file, the periodical file, the manual file and the business news file. The author describes the computer system of the Center making full use of the **latest** technology: the Bulletin Board System, the **optical disk file system**, and the integrated OA system "AOA" based on the fourth generation language "MAPPER". (author abst.)

DESCRIPTORS: information industry; special library; reference service; user ; library service; information society; electronic blackboard; optical

disk; primary source; secondary source; printing(graphic arts);
availability; book; lending; business form; printer; output;
information agency
BROADER DESCRIPTORS: industry; library; information service; service;
society; input output unit; computer peripheral equipment; equipment;
information medium; publications; resource(document); input-output
CLASSIFICATION CODE(S): AC09010C

23/5/21 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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00790725 JICST ACCESSION NUMBER: 89A0596874 FILE SEGMENT: JICST-E
In the hope of improvement of information services.
HISHIYAMA KENICHIRO (1)
(1) Nihon'yunishisu
Senmon Toshokan(Bulletin of the Japan Special Libraries Association), 1989
, NO.124, PAGE.4-6, FIG.1
JOURNAL NUMBER: G0415ABR ISSN NO: 0385-0188
UNIVERSAL DECIMAL CLASSIFICATION: 025.5/.6
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication
ABSTRACT: The Information Service Center of the NIHON UNISYS Ltd. started
operation in 1970 as an open-stack library. The scope of operation of
the Center at that time was limited to such traditional library works
as acquisition, technical processing, and circulation. However, the
recent expansion of the business of the parent body, the NIHON UNISYS
Ltd., and the diversification of information needs both in quality and
quantity have required the Center to reshape its library services. To
cope with this situation, the Center strived to improve reference
service and apply an integrated office automation system. The databases
for on-line information retrieval service have also been developed
since 1983. The databases compile the various files, e.g., the book
file, the periodical file, the manual file and the business news file.
The author describes the computer system of the Center making full use
of the **latest** technology: the Bulletin Board System, the **optical**
disk file system, and the integrated OA system "AOA" based on the
fourth generation language "MAPPER".(author abst.)
DESCRIPTORS: information service; information retrieval; information need;
enterprise; special library; keyword; document retrieval system;
OA(office); database; electronic blackboard; optical disk; information
agency
BROADER DESCRIPTORS: service; retrieval; demand; library; vocabulary;
information retrieval system; information system; computer application
system; system; mechanization; automation; modification; input output
unit; computer peripheral equipment; equipment; information medium
CLASSIFICATION CODE(S): AC09040J

23/5/22 (Item 3 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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00593711 JICST ACCESSION NUMBER: 88A0234065 FILE SEGMENT: JICST-E
A new method of data filing displaying system using an electronic
endoscope.
HORII YOSHIYUKI (1); KODAMA TADASHI (2)
(1) Horiiin; (2) Kyoto Prefect. Univ. of Medicine
Igaku no Ayumi(Journal of Clinical and Experimental Medicine), 1988,
VOL.144,NO.4, PAGE.271-272, FIG.2, REF.2
JOURNAL NUMBER: Z0649AAI ISSN NO: 0039-2359 CODEN: IGAYA
UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02:61
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

ABSTRACT: Since electronic endoscope incorporating the charge-coupled device was put to practical use, many new trials such as picture treatment, analysis, and filing have been made with it. We developed a **new system** that **files** follow-up observation pictures in the **optical disk** and displays pictures on the maximum of 8 divisions at once. By filing next examination dates with the pictures and diagnosis, we can list up the patients who require further examinations. Consequently we are able not only to carry out examination plan but also to find out the patients who have failed to come. (author abst.)

DESCRIPTORS: endoscope; image tube; display device; data storage; data processing; data retrieval system; medical information processing system; charge coupled device; optical disk; electronic endoscope

BROADER DESCRIPTORS: photoelectric conversion tube; electron tube; equipment; information storage; storage and accumulation; information processing; treatment; information retrieval system; information system; computer application system; system; charge transfer device; semiconductor device; solid state device; information medium

CLASSIFICATION CODE(S): JE13000V

23/5/23 (Item 4 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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00494397 JICST ACCESSION NUMBER: 87A0509129 FILE SEGMENT: JICST-E

Development of a multi-generation file system on write-once optical disks.

YOKOZEKI TAKASHI (1); NAKAGAWA MASAKI (1); TAKAHASHI NOBUMASA (1)

(1) Tokyo Univ. of Agriculture and Technology

Joho Shori Gakkai Kenkyu Hokoku, 1987, VOL.87,NO.59(OS-36),

PAGE.36.1.1-36.1.8, FIG.6, REF.2

JOURNAL NUMBER: Z0031BAO ISSN NO: 0919-6072

UNIVERSAL DECIMAL CLASSIFICATION: 681.3.066

LANGUAGE: Japanese

COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: One of the hot issues in the computer science is how to utilize write-once optical disks, huge but unrewritable and rather slow devices, in the computer architecture. We propose a virtual optical disk method which makes an optical disk look like a rewritable device. By using this method, we can use **optical disks** on **current** operating systems without any reconstruction of their **file systems**. Then we refer to multi-generation file management on the virtual **optical disk** method. (author abst.)

DESCRIPTORS: optical disk; file processing; operating system; file organization; computer system development; virtual storage system; system design; data writing; data reading; mass memory; computer resource management

BROADER DESCRIPTORS: information medium; treatment; system program; computer program; software; development; storage system; method; design; data processing; information processing; memory(computer); equipment; management

CLASSIFICATION CODE(S): JD03020J

23/5/24 (Item 5 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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00420181 JICST ACCESSION NUMBER: 87A0263576 FILE SEGMENT: JICST-E

Construction of In-house Databases in a Corporation. 3 Case study/Osaka Gas Co., Ltd.

KATO TOSHIO (1)

(1) Osaka Gas Co., Ltd.

Joho Kanri(Journal of Information Processing and Management), 1987,

VOL.30,NO.3, PAGE.256-262, FIG.3, REF.2

JOURNAL NUMBER: F0392AAX ISSN NO: 0021-7298

UNIVERSAL DECIMAL CLASSIFICATION: 002.5:659.2

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

ABSTRACT: Osaka Gas Co., Ltd. constructed Osaka Gas Technical Information System (OGTIS) in 1979, which stores and retrieves the in-house technical information and provides even primary materials by unifying optical disk files, facsimile system and so on. The major information sources are technical materials, survey materials, planning documents, design materials, research reports, business tour reports which are all generated inside the Company. At the present moment it amounts to 25,000 items in total adding 1,000 items annually. The data file is updated once in a month and also outputs the abstract journal OGTIS Report monthly. In 1983 it constructed System for International Exchange of Personal Information (SIP) as a subsystem of OGTIS in order to compile SIP database which covers exchange outlines with overseas enterprises or organizations. The data size is 2,600 totally adding about 500 annually with monthly data updating. (author abst.)

DESCRIPTORS: private company; database; facsimile; optical disk; online system; information retrieval system; primary source; information storage; information service; resource management system; information system

BROADER DESCRIPTORS: enterprise; picture communication; telecommunication; information medium; system; computer application system; publications; resource(document); storage and accumulation; service

CLASSIFICATION CODE(S): AC08000K

23/5/25 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00145295 87PI06-131

ISI 525WC External

Rosch, Winn L

PC Magazine, Jun 23 1987, v6 n12 p146+, 2 Pages

ISSN: 0745-2500

Languages: English

Document Type: Hardware Review

Grade (of Product Reviewed): B

Geographic Location: United States

A favorable review of the ISI 525WC External (\$3995), a WORM drive from Information Storage Inc. of Colorado Springs, CO (303). It requires 256K and DOS 2.1 or later to work with an IBM PC XT or AT. Says that a user must mount files before they can be read or executed on the optical disk, the software includes optical disk use utilities, the system performs file copying more slowly than a hard disk but is fast at data retrieval as it can read about 5MB per minute of a mounted file. Includes a photo of the drive.

Descriptors: OPTICAL DISK; DRIVE; HARDWARE REVIEW

Identifiers: ISI 525WC External; Information Storage; IBM PC XT; IBM PC AT

23/5/26 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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1859269 NTIS Accession Number: PB95-168324

Hitachi Review, Vol. 43, No. 3, June 1994. Total Data Storage System for Distributed and Open Computing

Hitachi Ltd., Tokyo (Japan).

Corp. Source Codes: 012206000

cJun 94 57p

Languages: English

Journal Announcement: GRAI9508

Portions of this document are not fully legible. See also PB95-168316 and PB95-168308.

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NTIS Prices: PC E07/MF E07

Country of Publication: Japan

Contents: Information System Storage: Technology and Utilization; Large-Capacity Small-Sized Magnetic Disk Subsystem with Increased System Reliability; Magnetic Tape Library Unit with Automatic Tape Operation and Data Management; High-Speed Large-Capacity Shared Extended Storage; ACORNARC: **New** I/O Connection Architecture Utilizing Fiber Optic Technology; Small Disk Array Unit with High-Speed Data Transfer and High-Quality Data Integrity; High-Performance Cache Disk Subsystem; 2-Gbyte 5.25-inch Magneto-Optical Disk Drive and Library Unit; Small Electronic Filing System for Use in Open and Distributed Environments.

Descriptors: Data storage systems; *Distributed computer systems; Information systems; Data storage devices; Technology utilization; Magnetic disks; Magnetic tapes; Data management; High speed; Fiber optics; Input output processing; **Data transfer(Computers); Data integrity; Optical disks ; File management systems**

Identifiers: *Foreign technology; *Open systems; NTISTFMRI

Section Headings: 62A (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software)

23/5/27 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

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1723598 NTIS Accession Number: PB93-170348

Sanyo Technical Review, Vol. 24, No. 3, December 1992

Sanyo Electric Co. Ltd., Osaka (Japan).

Corp. Source Codes: 099623000

c1992 158p

Languages: Japanese

Journal Announcement: GRAI9313

Text in Japanese; summary in English. See also PB92-131994.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC E10/MF E10

Country of Publication: Japan

Contents: A Multi-Source Multivision System; Video Projector with Full-Line Color LCD Panel; Video Signal Processing Circuit for MUSE-NTSC Converter; JPEG-Based Digital Image Compression/Decompression LSI; MBC-19TE5 Personal Computer with **New** Features; SOF-FS21 Open-Architecture Optical Disc Filing System; Character Recognition Technology Based Tablet for Study Systems; Future Office Desk; Compact, High-Illuminance LED Linear Light Source; High-speed 4-Mbit DRAM; 16-Mbit DRAM; Super-Low Noise Modulation-Doped Field-Effect Transistor with 0.2 microm T-Shaped Gate; High Reliability, High-Power Manganese Dioxide-Lithium Cells; Diaphragm for Speaker using Ceramics Made from Rice Husk; Construction of Factory Automation System for a Semiconductor Plant; Ultra-Clean Technology for VLSI Production Lines.

Descriptors: Computer architecture; *Microelectronics; Video equipment; Motion picture projectors; Signal processing; Large scale integration; Image processing; Data compression; Personal computers; **Optical disks ; Very large scale integration; Clean rooms; File management systems ; Character recognition devices; Workstations; Light sources; Field effect transistors; Electrochemical cells; Automation; Computer aided manufacturing**

Identifiers: *Foreign technology; Multivision systems; DRAM(Dynamic Random Access Memory); Speaker diaphragms; NTISTFMRI

Section Headings: 62A (Computers, Control, and Information

Theory--Computer Hardware); 49H (Electrotechnology--Semiconductor Devices);
49GE (Electrotechnology--General); 45GE (Communication--General)

23/5/28 (Item 1 from file: 144)
DIALOG(R) File 144:Pascal
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11493749 PASCAL No.: 94-0333662

Frame-sliced signature files

ZHENG LIN; FALOUTSOS C

Univ. Maryland, dep. computer sci., College Park MD 20742, USA

Journal: IEEE transactions on knowledge and data engineering, 1992, 4 (3

) 281-289

ISSN: 1041-4347 Availability: INIST-22205; 354000028590240060

No. of Refs.: 22 ref.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: USA

Language: English

A **new** superimposed coding method, frame-sliced signature file, is proposed. Performance of this method is studied and compared with other signature file methods. The response time of the **new** method is improved due to its ability to effectively partition the signature file so that fewer random disk accesses are required on both retrieval and insertion, while the good characteristics of conventional signature file, i.e., low space overhead, low maintenance cost, and the write-once property, are retained. The generalized version of the method is shown to be a unified framework for several popular signature file methods including the sequential signature file (SSF) method, bit-sliced signature file (BSSF) method, and its enhanced version of B'SSF

English Descriptors: **Information system ; File layout; Hashing;**
Performance; Optical disk ; File management

French Descriptors: Systeme information; Organisation fichier; Hachage;
Performance; Disque optique; Gestion fichier

Search report

Set	Items	Description
S1	1431901	SPREADSHEET? OR BUDGET? OR FORECAST? OR FINANCE OR CELL OR CELLS OR DATA()VALUE? OR FORMULA? OR GRAPH? OR FORMAT?()OPTIO- N?
S2	1889828	TEXT OR NUMERIC()VALUES OR EXCEL OR LOTUS OR COLUMN? OR RO- W? OR MATRIX? OR MATRICES OR LABEL? OR VALUE? OR SQL OR STRUC- TURED()QUERY()LANGUAGE
S3	10946	(SUPPORT? OR CONCUR? OR RESOURCE?) (3N) (APPLICATION? OR P- ROGRAM? OR PRODUCT? OR WORDPROCESSING OR WORD()PROCESSING OR - SLIDE()PRESENTATION? OR (AUDIO OR VIDEO)()FILE? OR POWER()POI- NT OR POWERPOINT)
S4	21841	BROWSER? OR NETSCAPE OR MOSAIC? OR IE OR INTERNET()EXPLORE- R? OR OPERA OR WEBBROWSER? OR LYNX OR WEBBASE? OR WEB()BASE?
S5	8263063	LINK? OR TRANSFER? OR COMBINE? OR RELAT? OR JOIN? OR CONNE- CT? OR SELECT? OR MATCH? OR POINT? OR MERGE? OR MERGING OR MO- VE? OR UNITE? OR EXCHANGE? OR GIVE
S6	1489856	RECEIV? OR INTERCHANG? OR HIERARCHIC? OR NON()HIERARCHIC? - OR NONHIERARCHIC?
S7	26980	(COLLABORAT? OR COOPERAT? OR GROUP OR DISTRIBUTED)() (DATA- BASE? OR DATA()BASE? OR APPLICATION? OR OBJECT?) OR GROUPWARE OR LOTUS()NOTES OR GROUPWISE OR MICROSOFT()EXCHANGE OR SHARED
S8	210639	CACHE OR BUFFER OR TEMPORARY() (MEMORY OR STORAGE)
S9	3144676	S1 OR S2
S10	0	S9 AND S3 AND S4 AND (S5 OR S6) AND S7 AND S8
S11	1	S9 AND S3 AND S4 AND (S5 OR S6) AND S7
S12	23	S9 AND S3 AND S4
S13	25	S9 AND S3 AND (S5 OR S6) AND S7
S14	44	S9 AND S3 AND (S5 OR S6) AND S8
S15	0	S14 AND S4
S16	1	S14 AND S7
S17	68	S23 OR S13 OR S14
S18	35	S17 AND IC=G06F?
S19	35	IDPAT (sorted in duplicate/non-duplicate order)
S20	35	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Oct 1976-2002/Apr(Updated 020805)
(c) 2002 JPO & JAPIO

File 350:Derwent WPIX 1963-2002/UD,UM &UP=200249
(c) 2002 Thomson Derwent

Search report

20/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014504286 **Image available**
WPI Acc No: 2002-324989/200236
XRPX Acc No: N02-255295

New goods plan production support system for industry, transmits
selected common plan to terminal of other customers having same
interested field through e-mail, based on which goods catalog is produced

Patent Assignee: MATSUBARA H (MATS-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002073951	A	20020312	JP 2000266843	A	20000904	200236 B

Priority Applications (No Type Date): JP 2000266843 A 20000904

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002073951	A	4	G06F-017/60	

Abstract (Basic): JP 2002073951 A

NOVELTY - A web server registers customers name, address and
interested field, based on which common plan is **selected** for goods
purchasing. The common plan is transmitted to terminal of other
customers having same interested field, through e-mail, based on which
goods catalog is produced by the server, for registering goods, price
time for delivery, customer information.

USE - For industry.

ADVANTAGE - As goods plan is **shared** between customers having same
interested field, processing time is reduced and commercial transaction
is performed quickly.

DESCRIPTION OF DRAWING(S) - The figure shows the components of the
new goods plan **production support** system. (Drawing includes
non-English language **text**).

pp; 4 DwgNo 1/5

Title Terms: NEW; GOODS; PLAN; PRODUCE; SUPPORT; SYSTEM; INDUSTRIAL;
TRANSMIT; **SELECT** ; COMMON; PLAN; TERMINAL; CUSTOMER; FIELD; THROUGH;
MAIL; BASED; GOODS; CATALOGUE; PRODUCE

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

20/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014412148 **Image available**
WPI Acc No: 2002-232851/200229
XRPX Acc No: N02-179236

Information processor for computer system, has libraries for each
application, which include attributes of table, and record indicating
resources utilized by application

Patent Assignee: NIPPON UNISYS LTD (BURS)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002049519	A	20020215	JP 2000236035	A	20000803	200229 . B

Priority Applications (No Type Date): JP 2000236035 A 20000803

Search report

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 2002049519 A 9 G06F-012/00

Abstract (Basic): JP 2002049519 A

NOVELTY - A database stores attributes of a table (5), the initial value of a record in the table and a record indicating resources utilized by an application (11) in a library for each application. An accessing unit accesses a resource on receiving an utilization demand, using table and record number designated in corresponding library.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for information processing method.

USE - Information processor with shared memory for computer system e.g. client-server system.

ADVANTAGE - Enables efficient resource management of shared memory and high speed accessing of resources.

DESCRIPTION OF DRAWING(S) - The figure shows the management of shared memory and table in the resource management system. (Drawing includes non-English language text).

Table (5)

Application (11)

pp; 9 DwgNo 2/3

Title Terms: INFORMATION; PROCESSOR; COMPUTER; SYSTEM; APPLY; ATTRIBUTE; TABLE; RECORD; INDICATE; RESOURCE; UTILISE; APPLY

Derwent Class: T01

International Patent Class (Main): G06F-012/00

File Segment: EPI

20/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014334274

WPI Acc No: 2002-154977/200220

XRPX Acc No: N02-117791

Cryptographic system in a multiprocessor platform has three processor elements, the first communicating with a controller receiving data, the second encrypting the data and the third passing the encrypted data to a second controller

Patent Assignee: GEN DYNAMICS DECISION SYSTEMS INC (GEDY-N)

Inventor: HARBIN D B; KRUMMEL K; OSBORN G R; PERONA R A; WILLIAMS C A;

WOOTEN J G

Number of Countries: 092 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200205074	A2	20020117	WO 2001US20821	A	20010629	200220 B
AU 200175854	A	20020121	AU 200175854	A	20010629	200234

Priority Applications (No Type Date): US 2000610740 A 20000706

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 200205074 A2 E 43 G06F-001/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200175854 A G06F-001/00 Based on patent WO 200205074

Search report

Abstract (Basic): WO 200205074 A2

NOVELTY - The system is distributed with an input interface acting to **receive** input data and pass it to an encrypting processor which passes the encrypted data to an output interface. The three elements are controlled by respective cryptographic objects.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(a) a computing method

(b) a computing system

(c) and a multiprocessor platform for **supporting a distributed application**

USE - Encrypting data.

ADVANTAGE - The three part, distributed system ensures the separation of plain **text** from cipher **text**.

pp; 43 DwgNo 0/3

Title Terms: CRYPTOGRAPHIC; SYSTEM; MULTIPROCESSOR; PLATFORM; THREE;

PROCESSOR; ELEMENT; FIRST; COMMUNICATE; CONTROL; **RECEIVE** ; DATA; SECOND;

DATA; THIRD; PASS; ENCRYPTION; DATA; SECOND; CONTROL

Derwent Class: T01

International Patent Class (Main): **G06F-001/00**

File Segment: EPI

20/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014333199 **Image available**

WPI Acc No: 2002-153902/200220

Related WPI Acc No: 2001-181302; 2002-413054

XRPX Acc No: N02-117019

Resource management method in clustered computer system, involves updating local resource queue during interrupt handler execution, after locking updated global resource queue

Patent Assignee: NOVELL INC (NOVE-N)

Inventor: MURPHY D; WIPFEL R A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6338112	B1	20020108	US 9738251	P	19970221	200220 B
			US 9824011	A	19980214	
			US 2000574093	A	20000518	

Priority Applications (No Type Date): US 9738251 P 19970221; US 9824011 A 19980214; US 2000574093 A 20000518

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6338112	B1	22	G06F-013/24	Provisional application US 9738251 Div ex application US 9824011

Abstract (Basic): US 6338112 B1

NOVELTY - A global resource queue which is guarded by a lock, is unlocked for updating. The updated global queue is locked and the local queue of resources is updated while executing an interrupt handler.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Computer system;

(b) Recorded medium storing **resource management program**

USE - For managing resource allocation in a cluster computer system comprising server, workstation, diskless computer, lap-top, multi-processor, main-frame, network computer, personal digital

Search report

assistant interconnected by legacy networks such as LAN, WAN, metropolitan area network, Internet network e.g. WWW, private Internet, secure Internet, **value** -added network, virtual private network, extranet or intranet.

ADVANTAGE - Enables to coordinate **shared** resource access when an interconnect fails without relying on a local area network or a serial **link**. Aids in rapid, detailed diagnosis of communication problems, hence promotes rapid and correct compensation by the cluster during communication failure. Also reallocates the sharable resources without interrupting work on other nodes.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining resource allocation management process.

pp; 22 DwgNo 8/8

Title Terms: RESOURCE; MANAGEMENT; METHOD; CLUSTER; COMPUTER; SYSTEM; UPDATE; LOCAL; RESOURCE; QUEUE; INTERRUPT; HANDLE; EXECUTE; AFTER; LOCK; UPDATE; GLOBE; RESOURCE; QUEUE

Derwent Class: T01

International Patent Class (Main): **G06F-013/24**

International Patent Class (Additional): **G06F-013/32**

File Segment: EPI

20/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014269407 **Image available**

WPI Acc No: 2002-090105/200212

XRPX Acc No: N02-066354

Spreadsheet information exchange system using toolbars on client

screen to define current view and render spreadsheet

Patent Assignee: OUTLOOK SOFT CORP (OUTL-N); OUTLOOKSOFT CORP (OUTL-N); CHO C J (CHOC-I); VOSHELL P E (VOSH-I)

Inventor: CHO C J; VOSHELL P E

Number of Countries: 095 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200193103	A1	20011206	WO 2001US16333	A	20010518	200212 B
CA 2348222	A1	20011130	CA 2348222	A	20010524	200212
EP 1164502	A2	20011219	EP 2001112826	A	20010530	200212
US 6341292	B1	20020122	US 2000580842	A	20000530	200214
AU 200163331	A	20011211	AU 200163331	A	20010518	200225
US 20020078074	A1	20020620	US 2000580842	A	20000530	200244
			US 200125370	A	20011219	

Priority Applications (No Type Date): US 2000580842 A 20000530; US 200125370 A 20011219

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200193103 A1 E 42 G06F-017/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): EA GH GM KE LS MW MZ OA SD SL SZ TZ UG ZW

CA 2348222 A1 E G06F-017/30

EP 1164502 A2 E G06F-017/30

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 6341292 B1 G06F-012/00

AU 200163331 A G06F-017/30 Based on patent WO 200193103

Search report

US 20020078074 A1 G06F-012/00 Cont of application US 2000580842

Abstract (Basic): WO 200193103 A1

NOVELTY - System comprises a server with databases, client **spreadsheet** and browser programs, user group defined in the databases with access to the **spreadsheet** and **links** to **supporting** documents (**word processing** document, slide presentation, audio file etc.) in the database. The client browser enables viewing of the documents from a **spreadsheet** screen view. **Exchange** is **hierarchical** or **non - hierarchical** or both and is used to create a **budget** or measure performance. The network is the Internet, WWW, LAN, WAN, or intranet and the **spreadsheet** rendering data is determined by user **selections** on a client screen toolbar.

DETAILED DESCRIPTION - The collaborative group is notified when **spreadsheet** information has been communicated to the server across the network and is given guidance **relating** to **non - hierarchical exchange** of information.

USE - System is for exchanging information in e.g. **shared spreadsheet** -based projects over the WWW.

ADVANTAGE - System reduces Web latency when exchanging information.

DESCRIPTION OF DRAWING(S) - The figure shows a network-based system.

pp; 42 DwgNo 1/7

Title Terms: INFORMATION; **EXCHANGE** ; SYSTEM; CLIENT; SCREEN; DEFINE; CURRENT; VIEW; RENDER

Derwent Class: T01

International Patent Class (Main): **G06F-012/00 ; G06F-017/30**

International Patent Class (Additional): **G06F-017/60**

File Segment: EPI

20/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014231982 **Image available**

WPI Acc No: 2002-052680/200207

XRPX Acc No: N02-039117

Information processor e.g. vehicle-mounted terminal selects one user interface implementation unit for use by task, based on execution environment of application software, during usage of UI resources

Patent Assignee: FUJITSU TEN LTD (FUTE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001306339	A	20011102	JP 2000125564	A	20000426	200207 B

Priority Applications (No Type Date): JP 2000125564 A 20000426

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001306339	A		19	G06F-009/46	

Abstract (Basic): JP 2001306339 A

NOVELTY - A task management unit (22) provides usage rights of user interface (UI) resources (5), to a task (20). A resource controller (23) controls the transmission of data and event information between the UI resource and the task. One of the UI implementation units (21) is **selected** and used by the task, based on the execution environment of each application software, during usage of the UI resources.

USE - Information processor e.g. vehicle-mounted terminal which

Search report

allows sharing of hardware **resources** by tasks of **application** software.

ADVANTAGE - Limited UI resources are smoothly and efficiently **shared** by the application software by including the UI implementation unit based on execution environment of the application software during usage of the UI resources.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the information processor. (Drawing includes non-English language **text**).

User interface resources (5)

Task (20)

UI implementation units (21)

Task management unit (22)

Resource controller (23)

pp; 19 DwgNo 2/4

Title Terms: INFORMATION; PROCESSOR; VEHICLE; MOUNT; TERMINAL; **SELECT** ;
ONE; USER; INTERFACE; IMPLEMENT; UNIT; TASK; BASED; EXECUTE; ENVIRONMENT;
APPLY; SOFTWARE; UI; RESOURCE

Derwent Class: T01

International Patent Class (Main): **G06F-009/46**

File Segment: EPI

20/5/7 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014228206 ****Image available****

WPI Acc No: 2002-048904/200206

Related WPI Acc No: 2002-026058

XRPX Acc No: N02-036212

Double-ended concurrent shared object for multiprocessing system, employs distinguishing values to indicate spare nodes which support concurrent non-interfering opposing-end accesses for states of two or more values

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: DETLEFS D L; GARTHWAITE A T; MARTIN P A; MOIR M S; STEELE G L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010047361	A1	20011129	US 2000551113	A	20000418	200206 B
			US 2001837669	A	20010418	

Priority Applications (No Type Date): US 2001837669 A 20010418; US
2000551113 A 20000418

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010047361	A1		34	G06F-017/30	CIP of application US 2000551113

Abstract (Basic): US 20010047361 A1

NOVELTY - The double-ended concurrent **shared** object is organized as a dynamically sized bidirectional referencing chain of nodes. The concurrent **shared** object employing distinguishing **values** , indicates spare nodes which support concurrent non-interfering opposing-end accesses for states of two or more **values** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Method of facilitating **concurrent programming** ;
- (b) Concurrent double-ended queue representation;
- (c) Method of managing access to elements of sequence encoded in a **linked -list**;

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- (d) Concurrent **shared** object representation;
- (e) Computer program product

USE - For coordination of execution sequences in multiprocessing system.

ADVANTAGE - Provides non-blocking and linearizable access to the concurrent **shared** objects. Facilitates use of underlying techniques in environments or applications where automatic reclamation of storage is unavailable or impractical. Addition of new element to the double-ended queue is supported without allocation of additional storage.

DESCRIPTION OF DRAWING(S) - The figure shows an illustrative state of **linked** -list structure encoding a double-ended queue.

pp; 34 DwgNo 1/14

Title Terms: DOUBLE; END; CONCURRENT; SHARE; OBJECT; MULTIPROCESSOR; SYSTEM
; EMPLOY; DISTINGUISH; **VALUE** ; INDICATE; SPARE; NODE; SUPPORT;
CONCURRENT; NON; INTERFERENCE; OPPOSED; END; ACCESS; STATE; TWO; MORE;
VALUE

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

20/5/8 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014077645 **Image available**

WPI Acc No: 2001-561859/200163

XRPX Acc No: N01-417968

Computer data user management method for application service provider, involves picking reference pointer of data and program resources in segment, from user name and password

Patent Assignee: TAKAHASHI T (TAKA-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001216268	A	20010810	JP 200028182	A	20000204	200163 B

Priority Applications (No Type Date): JP 200028182 A 20000204

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001216268	A		21	G06F-015/00	

Abstract (Basic): JP 2001216268 A

NOVELTY - User name and password information, about multiple users, are stored as user management table in a memory device. The data and **program resources** for every user group is segmented and stored in the memory device. The name and password is provided for every user in the user management table. A reference **pointer** of data and **program resources** within a segment are picked out from the user name and password.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Computer data user management device;
- (b) Application service provider control system

USE - For application service provider **connected** to internet.

ADVANTAGE - The computer resources are effectively **shared** and security of ASP control system is efficiently maintained. Hence the expense is reduced. Management efficiency is improved by assembling many enterprises as tenants and by improving reliability in cooperation between the enterprises.

Search report

DESCRIPTION OF DRAWING(S) - The figure shows the hardware block diagram of the ASP control system of computer data user management device. (Drawing includes non-English language **text**).

pp; 21 DwgNo 1/13

Title Terms: COMPUTER; DATA; USER; MANAGEMENT; METHOD; APPLY; SERVICE; PICK
; REFERENCE; **POINT** ; DATA; PROGRAM; RESOURCE; SEGMENT; USER; NAME;
PASSWORD

Derwent Class: T01

International Patent Class (Main): **G06F-015/00**

International Patent Class (Additional): **G06F-013/00**

File Segment: EPI

20/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013971026 ****Image available****

WPI Acc No: 2001-455239/200149

XRPX Acc No: N01-337309

Distributed object program execution support system for computer network, calls execution and control methods of loaded object from different dynamic link libraries

Patent Assignee: NEC CORP (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001159978	A	20010612	JP 99343957	A	19991202	200149 B

Priority Applications (No Type Date): JP 99343957 A 19991202

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001159978	A		5	G06F-009/44	

Abstract (Basic): JP 2001159978 A

NOVELTY - A calling unit (14) calls execution method of loaded object from a dynamic link library (DLL) (12A). Information regarding called method is registered in management unit (13) by registration unit (15). A control method corresponding to interface definition language (IDL) information used by DLL (12A) is called from another DLL (12B).

USE - For distributed computer network.

ADVANTAGE - When adding or modifying IDL interface information, a suitable control method of loaded object is called and used.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of object **program** execution **support** system. (Drawing includes non-English language **text**).

Dynamic link libraries (12A,12B)

Management unit (13)

Calling unit (14)

Registration unit (15)

pp; 5 DwgNo 1/1

Title Terms: DISTRIBUTE; OBJECT; PROGRAM; EXECUTE; SUPPORT; SYSTEM;

COMPUTER; NETWORK; CALL; EXECUTE; CONTROL; METHOD; LOAD; OBJECT; DYNAMIC;

LINK

Derwent Class: T01

International Patent Class (Main): **G06F-009/44**

International Patent Class (Additional): **G06F-009/445**

File Segment: EPI

Search report

20/5/10 (Item 10 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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013956091 **Image available**
WPI Acc No: 2001-440305/200147
XRPX Acc No: N01-325620

**Improved text selection method in data processing system, involves
storing data related to each block of selected text in different
buffers within array of buffers**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: AMRO H Y; DEIKE K W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6240430	B1	20010529	US 96764815	A	19961213	200147 B

Priority Applications (No Type Date): US 96764815 A 19961213
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6240430	B1		10	G06F-017/24	

Abstract (Basic): US 6240430 B1

NOVELTY - **Selection** of block of **text** within continuous **text** segment is indicated on display. Array of buffers is created when command for multiple **text selection** is output. Each **buffer** stores **text** string of arbitrary size in memory. **Selection** of another **text** block non-contiguous with previous block, is indicated on display. Data **related** to each block of **selected text** is stored in different buffers in **buffer** array.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Data processing system;
- (b) Storage device

USE - For manipulating multiple non-contiguous blocks of **text** , in data processing system.

ADVANTAGE - Eliminates the necessity of executing copy, **move** and paste operations for each block of contiguous **text** , saves time and expedites a number of common editing process, by allowing user **application** to **support** multiple **text selection** of non-contiguous **text** blocks by permitting the user to choose from a variety of operations to be performed on the **text selections** .

DESCRIPTION OF DRAWING(S) - The figure shows the high level flowchart explaining multiple **text selection** supporting method.
pp; 10 DwgNo 8/8

Title Terms: IMPROVE; **TEXT** ; **SELECT** ; METHOD; DATA; PROCESS; SYSTEM;
STORAGE; DATA; **RELATED** ; BLOCK; **SELECT** ; **TEXT** ; **BUFFER** ; ARRAY;
BUFFER

Derwent Class: T01
International Patent Class (Main): **G06F-017/24**
File Segment: EPI

20/5/11 (Item 11 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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013887010 **Image available**
WPI Acc No: 2001-371223/200139
XRPX Acc No: N01-271304

Cache memory allocation procedure in personal computer, involves

Search report

**assigning required resources for program execution based on acquired
parameter indicating attribute of program**

Patent Assignee: HITACHI LTD (HITA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001109661	A	20010420	JP 99291807	A	19991014	200139 B

Priority Applications (No Type Date): JP 99291807 A 19991014

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001109661	A	15	G06F-012/08	

Abstract (Basic): JP 2001109661 A

NOVELTY - The parameter indicating the attribute of program, is acquired on **receiving** the execution demand of the program. Based on the acquired parameter, the required resources for execution of the program are assigned. The result of allocation of resources and **cache** memory are respectively stored in resources allocation and **cache** management tables.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Operating system;

(b) Computer

USE - For allocating **cache** memory in personal computer, using operating system.

ADVANTAGE - Due to allocation of **cache** memory, the slashing of **cache** is suppressed to minimum extent hence the guaranteed performance of multiprocessing is achieved in the multiprocessor of computer.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart for resources allocation procedure. (Drawing includes non-English language text).

pp; 15 DwgNo 1/14

Title Terms: **CACHE** ; MEMORY; ALLOCATE; PROCEDURE; PERSON; COMPUTER; ASSIGN ; REQUIRE; RESOURCE; PROGRAM; EXECUTE; BASED; ACQUIRE; PARAMETER; INDICATE; ATTRIBUTE; PROGRAM

Derwent Class: T01

International Patent Class (Main): **G06F-012/08**

International Patent Class (Additional): **G06F-009/46**

File Segment: EPI

20/5/12 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013868734 **Image available**

WPI Acc No: 2001-352946/200137

XRPX Acc No: N01-256152

Single sign-on method to target resources for computer enterprise environment, involves coordinating user information with configuration directives, to enable user to logon to target application

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: COHEN R J; FORSBERG R A; KALLFELZ P A; MECKSTROTH J R; PASCOE C J ; SNOW-WEAVER A L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6178511	B1	20010123	US 9870461	A	19980430	200137 B

Priority Applications (No Type Date): US 9870461 A 19980430

Search report

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 6178511 B1 16 G06F-011/30

Abstract (Basic): US 6178511 B1

NOVELTY - The user specific information which enables user to access and logon to target resources, are stored for each of a set of users. During logon attempt by user, the user information are coordinated with stored configuration directive, to enable user to logon to target applications, without specifying the logon process.

DETAILED DESCRIPTION - The configuration directives identifying logon process and methods to access **application** on the target **resource** for each of set of resources with different logon process, are stored. User ID/password is validated for given user during logon attempt. State information associating the given user with the target application is also stored. INDEPENDENT CLAIMS are also included for the following:

- (a) System architecture;
 - (b) Computer program product to enable access to target **application** on target **resource** ;
 - (c) computer **connectable** in distributed computer enterprise
- USE - For use in computer enterprise environment.

ADVANTAGE - The method provides single sign-on (SSO) framework which allows the personal key manager (PKM) and configuration information manager (CIM), to be separated from the rest of SSO code. Thus, a new implementation such as **Lotus Notes** are added without causing a major redesign. The SSO framework provides logon coordination, so that each specific target is easily plugged. Thus, it supports vast range of client-server targets. Enables efficient access to heterogeneous networks at reduced cost, thereby increasing productivity for end-users and system administrators. Ease of use, secure authentication of users and logon coordination to multiple applications are achieved. Provides consistent look and feel across operating systems. Integrates with operating system logons and is based on open standard . It is capable of leveraging existing security infrastructures.

DESCRIPTION OF DRAWING(S) - The figure shows SSO transaction.
pp; 16 DwgNo 3/10

Title Terms: SINGLE; SIGN; METHOD; TARGET; RESOURCE; COMPUTER; ENVIRONMENT;
COORDINATE; USER; INFORMATION; CONFIGURATION; DIRECT; ENABLE; USER;
TARGET; APPLY

Derwent Class: T01

International Patent Class (Main): G06F-011/30

File Segment: EPI

20/5/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013483300 **Image available**

WPI Acc No: 2000-655243/200063

XRPX Acc No: N00-485660

Distributed computer implemented building automation system for supporting applications that interact with building automation devices has surrogate object connected between source and destination objects

Patent Assignee: JOHNSON CONTROLS TECHNOLOGY CO (JOHN-N)

Inventor: CEBASEK G B; GLOUDEMAN J J; GOTTSCHALK D A; RASMUSSEN D E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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Search report

US 6104963 A 20000815 US 9854614 A 19980403 200063 B

Priority Applications (No Type Date): US 9854614 A 19980403

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6104963	A		18	G06F-019/42	

Abstract (Basic): US 6104963 A

NOVELTY - A surrogate object (104), having a **value** for first attribute and representing a source object (162) on a second device (160), is **connected** between a source object on a first device (102) and a destination object on the second device. A second device object (172) has an access to the **value** of the first attribute for performing a second control method.

DETAILED DESCRIPTION - The destination object is provided on the second device for performing the second control method using the first attribute of the source object. The source object provided on the first device for performing first control method using the first attribute of the source object on the second device is changed. A common superclass object, stored in a computer readable memory, defines predetermined common objects through instantiation such that the common objects have attributes for storing data and have methods for processing stored data. The first device and the second are interconnected across a network channel.

USE - For **supporting applications** that interact with building automation devices.

ADVANTAGE - Enables **distributed object** building automation devices to interoperate. Enables possible integration of building automation device through powerful **distributed object** communication system. Allows software engineers to readily build modular and sophisticated portable building automation applications from simple standard building automation software objects. Allows objects to locate one another across a distributed network.

DESCRIPTION OF DRAWING(S) - The figure shows a data flow diagram showing the flow of data between a destination building automation device and a second source building automation device.

First device (102)
Surrogate object (104)
Second device (160)
Source object (162)
Second device object (172)
pp; 18 DwgNo 3/9

Title Terms: DISTRIBUTE; COMPUTER; IMPLEMENT; BUILD; AUTOMATIC; SYSTEM;
SUPPORT; APPLY; INTERACT; BUILD; AUTOMATIC; DEVICE; SURROGATE; OBJECT;
CONNECT ; SOURCE; DESTINATION; OBJECT

Derwent Class: T01; X25

International Patent Class (Main): **G06F-019/42**

File Segment: EPI

20/5/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013465088 **Image available**

WPI Acc No: 2000-637031/200061

Related WPI Acc No: 1999-561265

XRPX Acc No: N00-472329

Positioned data modification supporting method, involves invoking iterator retrieval functions and data set modification functions until they return current positions of query execution iterator

Search report

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: PIRAHESH M H; SIMMEN D E; TRUONG T C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6085189	A	20000704	US 97884246	A	19970630	200061 B
			US 99304024	A	19990503	

Priority Applications (No Type Date): US 97884246 A 19970630; US 99304024 A 19990503

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6085189	A		14	G06F-017/30	Cont of application US 97884246

Abstract (Basic): US 6085189 A

NOVELTY - Iterator position retrieval function and data set modification function specific to each table involved in the querying are generated at compile time. Each of retrieval and modification functions are invoked at query execution time until the functions for current open table return the current position of query execution iterator, respectively.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) system for supporting positioned data modification operation on grouping of tables in **relational** database system;

(b) positioned data modification operation **supporting program** stored in recording medium

USE - For supporting positioned data modification operation such as current of cursor updates and deletes on grouping of tables in **relational** database system implemented on single node system and multinode **shared** nothing parallelism architectures.

ADVANTAGE - Offers supporting system that determines correct positions, such as table-ID, node-ID and record ID, associated with iterator, such as application cursor and that determines information to updatable operation such as **SQL** UPDATE operation or **SQL** DELETE operation in efficient manner with minimal processing overhead.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the operation of the database system in single node environment.

pp; 14 DwgNo 5/7

Title Terms: POSITION; DATA; MODIFIED; SUPPORT; METHOD; INVOKE; RETRIEVAL; FUNCTION; DATA; SET; MODIFIED; FUNCTION; RETURN; CURRENT; POSITION; QUERY ; EXECUTE

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

20/5/15 (Item 15 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013249386 **Image available**

WPI Acc No: 2000-421269/200036

XRPX Acc No: N00-314165

Interactive television network for home shopping, has application server coupled to set top boxes to exchange commands about applications stored as panels which control video data communicated from video server

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: KRISHNASWAMY S; MILLS W A; NGUYEN T H; NGUYEN T M; STEIN F L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Search report

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6055560	A	20000425	US 96745342	A	19961106	200036 B
			US 96745342	A	19961108	

Priority Applications (No Type Date): US 96745342 A 19961106

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6055560	A	21	G06F-015/16	Cont of application US 96745342

Abstract (Basic): US 6055560 A

NOVELTY - A gateway coupled to control and data channels (126) of video dial tone network, has an application server (136) coupled to set top boxes (108), to **exchange** commands about applications stored as panels which control video data communicated from a video server to set top box. The set top boxes are serviced by the video applications on a time **shared** basis using a **shared** queue.

DETAILED DESCRIPTION - The set top boxes comprise an event handler coupled to an even queue, a VCR agent and a **graphics** agent. Application libraries (150) are coupled to the application server for storing commands **related** to the panels. A database stores the applications as panels expressed as an event list (156), a hot spot navigation map (158) and panel object description (162). An INDEPENDENT CLAIM is also included for method for controlling interactive video on demand files in server.

USE - For home shopping to accommodate video on demand, electronic yellow pages, and to support functions expected with VCR, such as play, pause, fast forward and rewind. Also used to **support** current and future **application** requirements such as database searches, creating video of database results, sequencing of video from stored archival chips and picture-in-picture composing.

ADVANTAGE - Implements interactivity in such a way that minimizes the burden and hence the cost placed on set top box, thus providing good accounting for all user activities. The server can consecutively access the same video in file in consecutive timer intervals corresponding to several subscriber queues, thus enabling server video feeds of same file to be broadcast simultaneously. Provides digital video information on subscriber demand for very large video data files and enables rapid response to video request, independent of number of subscriber or video files offered for **selection**. Transitioning from one panel to another, simplifies processing on set top box, thus supporting cross-merchandising, home shopping without downloading entire applications to set top box.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of set top event.

- Set top boxes (108)
- Data channels (126)
- Application server (136)
- Application libraries (150)
- Event list (156)
- Hot spot navigation map (158)
- Panel object description (162)

pp; 21 DwgNo 11/11

Title Terms: INTERACT; TELEVISION; NETWORK; HOME; SHOPPING; APPLY; SERVE; COUPLE; SET; TOP; BOX; **EXCHANGE**; COMMAND; APPLY; STORAGE; PANEL; CONTROL; VIDEO; DATA; COMMUNICATE; VIDEO; SERVE

Derwent Class: T01; T05; W02

International Patent Class (Main): G06F-015/16

File Segment: EPI

Search report

DIALOG(R)File 350:Derwent WPIX
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012867033 **Image available**
WPI Acc No: 2000-038866/200003
XRPX Acc No: N00-029296

Data format conversion method used in multimedia application

Patent Assignee: INTEL CORP (ITLC); ABDALLAH M A F (ABDA-I); HSIEH H E (HSIE-I); HUFF T R (HUFF-I); PENTKOVSKI V (PENT-I); ROUSSEL P (ROUS-I); THAKKAR S S (THAK-I)

Inventor: ABDALLAH M A; HSIEH H E; HUFF T R; PENTKOVSKI V; ROUSSEL P; THAKKAR S S; ABDALLAH M A F

Number of Countries: 084 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9957631	A1	19991111	WO 99US5481	A	19990311	200003 B
AU 9930850	A	19991123	AU 9930850	A	19990311	200016
GB 2353881	A	20010307	WO 99US5481	A	19990311	200114
			GB 200026499	A	20001030	
DE 19983195	T	20010613	DE 1083195	A	19990311	200134
			WO 99US5481	A	19990311	
US 6266769	B1	20010724	US 9870891	A	19980430	200146
US 20010023480	A1	20010920	US 9870891	A	19980430	200156
			US 2001845610	A	20010427	

Priority Applications (No Type Date): US 9870891 A 19980430; US 2001845610 A 20010427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9957631	A1	E	63	G06F-007/38	
Designated States (National): AL AM AT AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
AU 9930850	A			G06F-007/38	Based on patent WO 9957631
GB 2353881	A			G06F-007/38	Based on patent WO 9957631
DE 19983195	T			G06F-007/38	Based on patent WO 9957631
US 6266769	B1			G06F-009/00	
US 20010023480	A1			G06F-007/38	Cont of application US 9870891 Cont of patent US 6266769

Abstract (Basic): WO 9957631 A1

NOVELTY - Numbers in integer format is stored in initial set of architectural registers (410) in packed format. At least one stored integer number is converted into numbers of floating **point** format. The numbers in floating **point** format are stored in register of another set of architectural registers (412) in packed format.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for an instruction for converting between a floating **point** format and an integer.

USE - For converting format between floating **point** and integer in multimedia **graphics applications**, computer **supported** cooperation (CSC), two dimensional **graphics**, three dimensional **graphics**, image processing, video compression and decompression, recognition algorithms and audio manipulation.

ADVANTAGE - Since the data is stored in packed format, image display can be performed easily. Shortens processing time over sequential conversion techniques, since reduced number of instructions are used, and no duplicate floating **point** execution resources is

Search report

required.

DESCRIPTION OF DRAWING(S) - The figure shows **cache** architecture of the processor.

Architectural register (410,412)

pp; 63 DwgNo 4/20

Title Terms: DATA; FORMAT; CONVERT; METHOD; APPLY

Derwent Class: T01

International Patent Class (Main): **G06F-007/38 ; G06F-009/00**

International Patent Class (Additional): **G06F-007/48 ; H03M-007/24**

File Segment: EPI

20/5/17 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011034324 **Image available**

WPI Acc No: 1997-012248/199701

XRPX Acc No: N97-010594

Recording method for data that relate to behaviour of digital computer - using hyperkernel that augments operating system of target multiprocessing system and graphical front end for implementing user interface

Patent Assignee: AT & T IPM CORP (AMTT); LUCENT TECHNOLOGIES INC (LUCE)

Inventor: SEIDEL K D; STICHTER A W

Number of Countries: 025 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9636918	A1	19961121	WO 96US5255	A	19960416	199701 B
EP 771443	A1	19970507	EP 96911785	A	19960416	199723
			WO 96US5255	A	19960416	
US 5884082	A	19990316	US 95444635	A	19950519	199918
			US 97822955	A	19970321	

Priority Applications (No Type Date): US 95444635 A 19950519; US 97822955 A 19970321

Cited Patents: US 5047919; US 5179702; US 5257372; US 5349658; US 5386360; US 5450586; US 5465363; US 5485574

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9636918 A1 E 21 G06F-009/445

Designated States (National): CA CN JP MX RU SG UA

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

EP 771443 A1 E 1 G06F-009/445 Based on patent WO 9636918

Designated States (Regional): BE DE FR GB IT

US 5884082 A G06F-009/45 Cont of application US 95444635

Abstract (Basic): WO 9636918 A

The method **relates** to the behaviour of a digital computer when it executes at least one application **program**. A digital multiprocessor **supports** an operating system and includes at least one processor unit including a **buffer**, and a system clock. The application program includes jumps nominally made to the operating system. The jumps are referred to as 'OS calls'. The operating system includes returns nominally made back to the application program. The method involves, within the processor unit, whenever the application program executes an OS call, jumping to a program, to be referred to as the 'hyperkernel', which is distinct from the operating system. Under the control of the hyperkernel, the jump to the hyperkernel is recorded as an OS call. A counter is started that counts cycles of the system clock.

Search report

The method further involves within each processor unit, whenever the operating system executes a return, jumping to the hyperkernel. The next step, under the control of the hyperkernel, is stopping and resetting the counter, recording in the **buffer** data that represent an accumulated number of OS calls and a final reading of the counter, and then returning to the application program. Finally the recorded data is sent to a user interface device.

ADVANTAGE - Helps computer programmers optimize their programs by keeping track of certain aspects of execution of computer programs.

Dwg.1/5

Title Terms: RECORD; METHOD; DATA; **RELATED** ; BEHAVE; DIGITAL; COMPUTER; AUGMENT; OPERATE; SYSTEM; TARGET; MULTIPROCESSOR; SYSTEM; **GRAPHICAL** ; FRONT; END; IMPLEMENT; USER; INTERFACE

Derwent Class: P85; S01; T01

International Patent Class (Main): **G06F-009/445** ; **G06F-009/45**

International Patent Class (Additional): **G06F-009/00** ; **G06F-009/40** ; **G06F-009/44** ; **G06F-009/46** ; **G06F-015/00** ; G09B-005/00; G09C-001/00; H01J-031/00

File Segment: EPI; EngPI

20/5/18 (Item 18 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010623792 **Image available**

WPI Acc No: 1996-120745/199613

XRFX Acc No: N96-101188

Production support system for communication network - includes displays comment data relevant to comment data of object and pattern data

Patent Assignee: HITACHI LTD (HITA)

Inventor: ISHIZAKI T; KAMEDA M; NAKAYAMA Y; TANIGAWA Y

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8016514	A	19960119	JP 94150791	A	19940701	199613 B
US 5694544	A	19971202	US 95497373	A	19950630	199803

Priority Applications (No Type Date): JP 94150791 A 19940701

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8016514	A	22	G06F-015/00	
US 5694544	A	28	G06F-013/00	

Abstract (Basic): JP 8016514 A

The **production support** system includes a GUI system containing a number of computers, mutually **connected** through a network. A display unit displays a **shared** image on the screens.

An input unit inputs the relevant data into an object, specified by a specification unit. Comment data (123) relevant to the specified object is stored in memory. The comment data and pattern data (134) are displayed with the specified object.

ADVANTAGE - Increases production efficiency.

Dwg.1/27

Title Terms: PRODUCE; SUPPORT; SYSTEM; COMMUNICATE; NETWORK; DISPLAY; COMMENTARY; DATA; RELEVANT; COMMENTARY; DATA; OBJECT; PATTERN; DATA

Index Terms/Additional Words: **GRAPHICAL** ; USER; INTERFACE

Derwent Class: T01

International Patent Class (Main): **G06F-013/00** ; **G06F-015/00**

International Patent Class (Additional): **G06F-003/14** ; **G06F-015/16** ; **G06F-015/167**

Search report

File Segment: EPI

20/5/19 (Item 19 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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010182833 **Image available**
WPI Acc No: 1995-084086/199512
Related WPI Acc No: 1999-044828
XRPX Acc No: N95-066704

Multicasting window events to a plurality of existing applications for concurrent execution - senses user window events and controls and distributes user window events to graphical user interfaces of selected program applications for concurrent execution

Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: HAO M C; KARP A H; SINGH V
Number of Countries: 003 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2281423	A	19950301	GB 9417180	A	19940825	199512 B
DE 4417588	A1	19950302	DE 4417588	A	19940519	199514
US 5742778	A	19980421	US 93113790	A	19930830	199823
			US 96602386	A	19960216	
GB 2281423	B	19980617	GB 9417180	A	19940825	199826

Priority Applications (No Type Date): US 93113790 A 19930830; US 96602386 A 19960216

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2281423	A		32	G06F-009/46	
DE 4417588	A1		18	G06F-003/153	
US 5742778	A		16	G06F-003/14	Cont of application US 93113790
GB 2281423	B			G06F-009/46	

Abstract (Basic): GB 2281423 A

The multi-layered **graphical** user interface enables window events to be multicast to sequential or **distributed application** programs includes one or more windows (314, 316, 318) for each of several application programs (304, 308, 312) which are active, a concurrency control window (320) for **receiving** window events to be multicast to more than one of the application windows, and an event sense and distribution procedure (322) for ordering, grouping and multicasting the window events **received** by the concurrency control window to a set of the **application** windows for substantially **concurrent** processing.

The program applications can reside on either a user's local computer (300) or on remote computers (302, 306, 310) which are **connected** to the user's computer via a network, or one some combination of local and remote. The existing source code of the program applications need not be relinked or recompiled.

USE/ADVANTAGE - Multicasting window events to **selected application** windows for **concurrent** initiation of operations in distributed or multi-tasking environment.

Dwg.3/8

Title Terms: WINDOW; EVENT; PLURAL; EXIST; APPLY; CONCURRENT; EXECUTE; SENSE; USER; WINDOW; EVENT; CONTROL; DISTRIBUTE; USER; WINDOW; EVENT; **GRAPHICAL** ; USER; INTERFACE; **SELECT** ; PROGRAM; APPLY; CONCURRENT; EXECUTE

Derwent Class: T01

International Patent Class (Main): **G06F-003/14** ; **G06F-003/153** ; **G06F-009/46**

Search report

International Patent Class (Additional): **G06F-003/02**
File Segment: EPI

20/5/20 (Item 20 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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009950404 **Image available**
WPI Acc No: 1994-218117/199426
XRPX Acc No: N94-172209

Multiple window display system with pixel write controller - has frame buffer for storing pixel-map for display which comprises write enable plane configured to indicate whether pixels are within boundary or not

Patent Assignee: SEIKO EPSON CORP (SHIH); S-MOS SYSTEMS INC (SMOS-N)

Inventor: LENTZ D J; LENTZ D

Number of Countries: 019 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9414155	A1	19940623	WO 93US11896	A	19931207	199426 B
US 5515494	A	19960507	US 92993736	A	19921217	199624
			US 94366423	A	19941229	
JP 8504961	W	19960528	WO 93US11896	A	19931207	199646
			JP 94514353	A	19931207	

Priority Applications (No Type Date): US 92993736 A 19921217; US 94366423 A 19941229

Cited Patents: EP 396377; EP 419814; GB 2226938

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9414155	A1	E	31	G09G-005/14	

Designated States (National): JP KR

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

US 5515494	A	19	G06F-003/00	Cont of application US 92993736
JP 8504961	W	46	G09G-005/14	Based on patent WO 9414155

Abstract (Basic): WO 9414155 A

The system controls pixel display and updates in a computer **graphics** system for displaying multiple windows. The system has a frame **buffer** (110) for storing a pixel data to be displayed. The frame **buffer** has a write enable plane configured to indicate whether a pixel is within a visible portion of an active window.

The system also has a memory for storing a window data structure that includes data regarding window priorities, window boundaries and window intersections for managing the write enable plane efficiently. A **graphics** server determines whether a pixel is to be written to the frame **buffer**, wherein the determination is made based on the write enable phase and window clip boundaries.

ADVANTAGE - System is able to determine in case of overlapping windows what is and is not obscured in overlap region and display windows appropriately. Also write enable plane can be used to **support** windowing **applications** that utilise non rectangular windows.

Dwg.1/11

Title Terms: MULTIPLE; WINDOW; DISPLAY; SYSTEM; PIXEL; WRITING; CONTROL; FRAME; **BUFFER**; STORAGE; PIXEL; MAP; DISPLAY; COMPRISE; WRITING; ENABLE; PLANE; CONFIGURATION; INDICATE; PIXEL; BOUNDARY

Derwent Class: P85; T01

International Patent Class (Main): **G06F-003/00** ; G09G-005/14

International Patent Class (Additional): **G06F-003/14** ; G09G-005/36

File Segment: EPI; EngPI

Search report

20/5/21 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009855207 **Image available**
WPI Acc No: 1994-135063/199416
Related WPI Acc No: 1992-193745; 1997-375069; 1997-375070
XRPX Acc No: N94-106197

**Integrated multi-media production and authoring system - provides
multiple users with control of dynamically allocated shared resources
using common intuitive user interface**

Patent Assignee: SONY ELECTRONICS INC (SONY)
Inventor: MACKAY M T
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5307456	A	19940426	US 90622821	A	19901204	199416 B
			US 91661694	A	19910227	
			US 92827009	A	19920128	

Priority Applications (No Type Date): US 92827009 A 19920128; US 90622821 A
19901204; US 91661694 A 19910227

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5307456	A	40		CIP of application US 90622821 CIP of application US 91661694

Abstract (Basic): US 5307456 A

The system has a number of **shared multi-media production resource** devices coupled to the AV LAN. A number of work-stations which are used to control the **production resources** are also **connected** to the AV LAN. The **production resources** are **connected** to the AV LAN through an interface unit known as a 'device translator'. The device translator is a microprocessor driven device that translates coded messages **received** over the AV LAN into specific commands which the particular **production resource** understands. The edit work-stations present the user with an intuitive **graphical user interface** that enables the user access the various **production resources** in order to create, define, edit, and store elements for use in a multi-media production.

The scalable nature of the AV LAN system allows users to design and build AV LAN networks to suit their particular needs. The AV LAN can be expanded into entire production, editing, and post-production studio. Several individual AV LAN networks are coupled together using a network bridge.

ADVANTAGE - Efficient organization of such large system can be accomplished by grouping together like kind **production resources** onto same local AV LAN network.

Dwg.25/30

Title Terms: INTEGRATE; MULTI; MEDIUM; PRODUCE; SYSTEM; MULTIPLE; USER;
CONTROL; DYNAMIC; ALLOCATE; SHARE; RESOURCE; COMMON; USER; INTERFACE
Derwent Class: T01; W01; W04
International Patent Class (Main): **G06F-015/62**
File Segment: EPI

20/5/22 (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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Search report

009440464 **Image available**

WPI Acc No: 1993-133983/199316

XRPX Acc No: N93-102192

Computer system for storing, retrieving and modifying data stored in database - manipulates directed graph data structures stored in relational database each comprising one or more records of data interconnected by pointers and stored in form of two-dimensional tables e.g. base tables

Patent Assignee: XIDAK INC (XIDA-N)

Inventor: GOLDBERG R N; JIRAK G A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5201046	A	19930406	US 90542163	A	19900622	199316 B

Priority Applications (No Type Date): US 90542163 A 19900622

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5201046	A	24	G06F-015/419	

Abstract (Basic): US 5201046 A

The database management system (DBMS) stores retrieves and manipulates directed **graph** data structures in a **relational** database. Each directed **graph** data structure contains one or more records of data which are interconnected by **pointers** . Data is stored in the database in the form of two dimensional tables, also known as flat files. The DBMS defines a schema for each table in the database. The schema defines the name and data type of each **column** in a data-base table. In tables used to store directed **graph** data structures, at least one **column** will be defined as having a reference data type. Non-empty entries in that **column** are **pointers** to **rows** in a specified table.

Directed **graph** data structures are stored in specified tables by storing each record of the directed **graph** in a distinct **row** of one of the specified tables, with references corresponding to interconnections between records stored in reference data type **columns** . Portions of a directed **graph** are retrieved from the specified table, in accordance with a single specified query. The query is automatically expanded by retrieving additional portions of the table which are referenced by the previously retrieved portions, thereby performing a transitive closure. The retrieved data is stored in a **buffer** as a list of **rows** , and then communicated to an application process. An interface program converts the list of **rows** stored in the **buffer** into a directed **graph** data structure.

USE/ADVANTAGE - Storing and retrieving directed **graph** data structures in **relational** database, reduces complexity of engineering **application programs** , reduces system **resources** required to process single reduces system resources required to process single extended query.

, a

Dwg.3/8

Title Terms: COMPUTER; SYSTEM; STORAGE; RETRIEVAL; MODIFIED; DATA; STORAGE; DATABASE; MANIPULATE; DIRECT; **GRAPH** ; DATA; STRUCTURE; STORAGE; **RELATED** ; DATABASE; COMPRISE; ONE; MORE; RECORD; DATA; INTERCONNECT; **POINT** ; STORAGE; FORM; TWO; DIMENSION; TABLE; BASE; TABLE

Derwent Class: T01

International Patent Class (Main): **G06F-015/419**

File Segment: EPI

Search report

20/5/23 (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009147383

WPI Acc No: 1992-274822/199233

XRPX Acc No: N92-210033

Message services sub-system shared library implementation - translating message source into C code which is then compiled and linked as read-only shared object

Patent Assignee: ANONYMOUS (ANON)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RD 339074	A	19920710	RD 92339074	A	19920620	199233 B

Priority Applications (No Type Date): RD 92339074 A 19920620

Patent Details:

Patent No	Kind	Ian Pg	Main IPC	Filing Notes
RD 339074	A	1	G06F-000/00	

Abstract (Basic): RD 339074 A

Message catalogs are databases containing **text** message strings which are accessed via the message services interface. This interface consists of the catopen (), catclose (), . and catgets () C library functions. Message source is translated into C code. This code is then compiled and **linked** as a read-only **shared** object. The catopen () function performs a load () system call of the message catalog which results in the code being loaded into the read-only segment used to store **shared** library program **text** . The catgets () function retrieves messages as simple 2-d array indexes into the loaded object.

Since the object is loaded into the **shared text** section, every process in the system which uses the same catalog shares the same copy of system memory. This results in improved overall system, memory utilisation, especially where many copies of the same **application** are run **concurrently** , e.g. the shells. Second, since the catalog is loaded and relocated (only once by the first processes opening the catalog), no seek operation is required to access a message. A simple indirect **pointer** reference retrieves the message.

USE/ADVANTAGE - Storage of program message catalogs as XCOFF **shared** object files. Reduces overall system memory used for storage of message catalogs, and improves performance of message string retrieval
Dwg.0/0

Title Terms: MESSAGE; SERVICE; SUB; SYSTEM; SHARE; LIBRARY; IMPLEMENT;
TRANSLATION; MESSAGE; SOURCE; CODE; COMPILE; **LINK** ; READ; SHARE; OBJECT
Derwent Class: T01
International Patent Class (Main): **G06F-000/00**
File Segment: EPI

20/5/24 (Item 24 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009131833 **Image available**

WPI Acc No: 1992-259272/199231

XRPX Acc No: N92-197818

Memory organisation for computer graphics system - using frame buffer with RGB pixel cache having shape adjustable according to type of tile best suited for use with type of pixel rendering to be undertaken

Patent Assignee: HEWLETT-PACKARD CO (HEWP)

Search report

Inventor: FREDRICKSON R W; GORIS A C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5131080	A	19920714	US 8787074	A	19870818	199231 B
			US 90552354	A	19900712	
			US 90632582	A	19901220	

Priority Applications (No Type Date): US 8787074 A 19870818; US 90552354 A 19900712; US 90632582 A 19901220

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5131080	A	55	G06F-003/14	Cont of application US 8787074
				Cont of application US 90552354

Abstract (Basic): US 5131080 A

The **graphics** system uses a **programmable** tile size shape supported by a frame **buffer** memory organisation wherein (X,Y) pixel addresses map into regularly offset permutations on groups of RAM address and data line assignments. This allows one RAM in each group to be accessed with a memory cycle in unison with one RAM in each other group, up to the number of groups. During such a memory cycle each RAM can **receive** a different address. A tile is the collection of pixel locations associated with a collection of addresses sent to the RAM's. Because of the regular nature of the permutations these locations may be regions bounded by a single boundary that may be rectangular and of varying size and shape.

Changing the mapping of (X,Y) pixel addresses to RAM addresses for the groups changes the size and shape of the tiles. Tiles are cached. Tiles for RGB pixel are cached in an RGB **cache**, while Z **values** are cached in a separate **cache**. Caching allows the principle of locality to substitute shorter bit-cycles to the **cache** for memory cycles to the frame **buffer**.

ADVANTAGE - Improved memory throughput.

Dwg.2B/17

Title Terms: MEMORY; ORGANISE; COMPUTER; **GRAPHIC**; SYSTEM; FRAME; **BUFFER**; **PIXEL**; **CACHE**; SHAPE; ADJUST; ACCORD; TYPE; TILE; SUIT; TYPE; **PIXEL**; **RENDER**

Derwent Class: T01

International Patent Class (Main): **G06F-003/14**

File Segment: EPI

20/5/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008930997 **Image available**

WPI Acc No: 1992-058266/199208

XRPX Acc No: N92-044245

Order filling system with cartridge dispenser - has gathering conveyor belt cooperating with product dispersers arranged in rows and columns

Patent Assignee: ELECTROCOM AUTOMATION LP (ELEC-N); ELECTROCOM AUTO LP (ELEC-N); SIEMENS ELECTROCOM LP (SIEI)

Inventor: ERWIN J D; PIPPIN J M

Number of Countries: 013 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 471150	A	19920219	EP 91107441	A	19910508	199208 B
EP 471150	A3	19930317	EP 91107441	A	19910508	199350
US 5322406	A	19940621	US 90566530	A	19900813	199424

Search report

			US 92884863	A	19920416	
			US 93115247	A	19930901	
EP 471150	B1	19950315	EP 91107441	A	19910508	199515
DE 69108137	E	19950420	DE 608137	A	19910508	199521
			EP 91107441	A	19910508	
ES 2069115	T3	19950501	EP 91107441	A	19910508	199524
US 5551822	A	19960903	US 90566530	A	19900813	199641
			US 92884863	A	19920416	
			US 93115247	A	19930901	
			US 94177140	A	19940104	
			US 95434030	A	19950503	
US 5582324	A	19961210	US 90566530	A	19900813	199704
			US 92884863	A	19920416	
			US 93115247	A	19930901	
			US 94177140	A	19940104	
			US 95434030	A	19950503	
			US 95559310	A	19951115	
US 5768139	A	19980616	US 90566530	A	19900813	199831
			US 92884863	A	19920416	
			US 93115247	A	19930901	
			US 94177140	A	19940104	
			US 95434030	A	19950503	
			US 96667234	A	19960619	
US 6064921	A	20000516	US 90566530	A	19900813	200031
			US 92884863	A	19920416	
			US 93115247	A	19930901	
			US 94177140	A	19940104	
			US 95434030	A	19950503	
			US 96667234	A	19960619	
			US 9835426	A	19980305	

Priority Applications (No Type Date): US 90566530 A 19900813; US 92884863 A 19920416; US 93115247 A 19930901; US 94177140 A 19940104; US 95434030 A 19950503; US 95559310 A 19951115; US 96667234 A 19960619; US 9835426 A 19980305

Cited Patents: NoSR.Pub; 1.Jnl.Ref; DE 2117726; DE 3100020; EP 183074; GB 2118156; US 3746130

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 471150	A				
				Designated States (Regional): AT	BE CH DE ES FR GB IT LI LU NL SE
US 5322406	A		16	G07F-011/00	Cont of application US 90566530
					Cont of application US 92884863
EP 471150	B1	E	19	B65G-001/137	
				Designated States (Regional): AT	BE CH DE ES FR GB IT LI LU NL SE
DE 69108137	E			B65G-001/137	Based on patent EP 471150
ES 2069115	T3			B65G-001/137	Based on patent EP 471150
US 5551822	A		16	G07F-011/00	Cont of application US 90566530
					Cont of application US 92884863
					Div ex application US 93115247
					Cont of application US 94177140
					Div ex patent US 5322406
US 5582324	A		17	B65H-003/44	Cont of application US 90566530
					Cont of application US 92884863
					Div ex application US 93115247
					Cont of application US 94177140
					Cont of application US 95434030
					Div ex patent US 5322406
					Cont of patent US 5551822
US 5768139	A			G06F-019/00	Cont of application US 90566530
					Cont of application US 92884863

Search report

			Div ex application US 93115247
			Cont of application US 94177140
			Div ex application US 95434030
			Div ex patent US 5322406
			Div ex patent US 5551822
US 6064921	A	G06F-007/00	Cont of application US 90566530
			Cont of application US 92884863
			Div ex application US 93115247
			Cont of application US 94177140
			Div ex application US 95434030
			Cont of application US 96667234
			Div ex patent US 5322406
			Div ex patent US 5551822
			Cont of patent US 5768139

Abstract (Basic): EP 471150 A

The system comprises elements for conveying dispensed products to a collection station, and for controlling the dispensing of products. A number of members are provided for dispensing products onto the elements for conveying. The components for dispensing are arrayed in a **matrix** of **rows** and **columns** in **relation** to the elements for conveying.

Each member for dispensing in a **row** are coupled together to the elements for controlling, and each member for dispensing in a **column** coupled together to the members for controlling. The automated ordering system further comprises components for verifying the presence of a dispensed product under the **row**. One element for verifying is positioned below each of the **rows** of coupled elements for dispensing.
(19pp DWg.No.1A/8)

Title Terms: ORDER; FILL; SYSTEM; CARTRIDGE; DISPENSE; GATHER; CONVEYOR;
BELT; COOPERATE; PRODUCT; DISPERSE; ARRANGE; **ROW** ; **COLUMN**
Derwent Class: Q35; Q36
International Patent Class (Main): B65G-001/137; B65H-003/44; **G06F-007/00**
; **G06F-019/00** ; G07F-011/00
International Patent Class (Additional): B65G-001/02; B65G-001/13
File Segment: EngPI

20/5/26 (Item 26 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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008851914 **Image available**
WPI Acc No: 1991-355934/199149
XRPX Acc No: N91-272407

**Database management system supporting object oriented programming -
uses number of software modules to data processing of database management
systems**

Patent Assignee: TEXAS INSTR INC (TEXI)
Inventor: BANNON T J; FORD S J; PEREZ E R; PETERSON R W; SPARACIN D M;
THATTE S M; VAPPALA J J; WANG C C; THOMPSON C W; WELLS D L; JOSEPH V J
Number of Countries: 006 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 459683	A	19911204	EP 91304579	A	19910521	199149	B
EP 459683	A3	19930414	EP 91304579	A	19910521	199351	
US 5297279	A	19940322	US 90531493	A	19900530	199411	
US 5437027	A	19950725	US 90531493	A	19900530	199535	
			US 93110040	A	19930820		
EP 459683	B1	19990818	EP 91304579	A	19910521	199937	
DE 69131530	E	19990923	DE 631530	A	19910521	199945	

Search report

EP 91304579 A 19910521

Priority Applications (No Type Date): US 90531493 A 19900530; US 93110040 A 19930820

Cited Patents: SR.Pub; 4.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 459683	A		34		
Designated States (Regional): DE FR GB IT NL					
EP 459683	A3		34		
US 5297279	A		24	G06F-003/00	
US 5437027	A		25	G06F-017/30	Div ex application US 90531493 Div ex patent US 5297279
EP 459683	B1 E			G06F-017/30	
Designated States (Regional): DE FR GB IT NL					
DE 69131530	E			G06F-017/30	Based on patent EP 459683

Abstract (Basic): EP 459683 A

The application program comprises at least one database, an object manager, an object translator and a persistent object storage server. The object manager interfaces with at least one application program and is used for retrieval of objects upon request and controlling internal objects, accessible only by the object manager.

The object translator is adapted to **receive** the internal objects, translate them and return at least one object back to the object manager. The persistent object storage server interfaces between the databases and the object manager to store and retrieve the translated objects.

USE/ADVANTAGE - Database management systems for use with software applications such as Computer Aided Design. Supports long term storage and retrieval of objects created by application programs. (34pp
Dwg.No.2/7

Title Terms: DATABASE; MANAGEMENT; SYSTEM; SUPPORT; OBJECT; ORIENT; PROGRAM ; NUMBER; SOFTWARE; MODULE; DATA; PROCESS; DATABASE; MANAGEMENT; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-003/00 ; G06F-017/30

International Patent Class (Additional): G06F-009/44 ; G06F-015/40

File Segment: EPI

20/5/27 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008851447 **Image available**

WPI Acc No: 1991-355467/199149

XRPX Acc No: N91-272062

Semi-dynamic load balance for shared database transaction processing - implements iterative process based on category weighted transaction types to incrementally improve load balancing and avoid lock contention

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)

Inventor: GEORGIADIS L; NIKOLAOU C N; WANG G W

Number of Countries: 004 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 459134	A	19911204	EP 91106285	A	19910419	199149 B
EP 459134	A3	19930721	EP 91106285	A	19910419	199406
US 5283897	A	19940201	US 90516642	A	19900430	199406

Priority Applications (No Type Date): US 90516642 A 19900430

Cited Patents: NoSR.Pub; 1.Jnl.Ref; EP 346039

Patent Details:

Search report

Patent No Kind Lan Pg Main IPC Filing Notes
 EP 459134 A
 Designated States (Regional): DE FR GB
 US 5283897 A 14 G06F-015/00

Abstract (Basic): EP 459134 A

The load balancer reallocates transaction types among computers in the system as a group, rather than as individual transactions. It periodically reviews the workload situation to determine whether a load imbalance has occurred and makes approp. adjustments.

Statistical data is accumulated in an affinity **matrix** to record transaction contention occurrences. On detection of an overloaded processor, transaction type reallocation is performed according to a routing table, based on data from the affinity **matrix**.

ADVANTAGE - Responsive to system usage and is able to observe and predict trends. Requires far less overheads than fully dynamic solution, permitting more **productive** use of processor **resources**.

(15pp Dwg.No.1/4)

Title Terms: SEMI; DYNAMIC; LOAD; BALANCE; SHARE; DATABASE; TRANSACTION; PROCESS; IMPLEMENT; ITERATIVE; PROCESS; BASED; CATEGORY; WEIGHT; TRANSACTION; TYPE; INCREMENT; IMPROVE; LOAD; BALANCE; AVOID; LOCK; CONTENTION

Derwent Class: T01

International Patent Class (Main): G06F-015/00

International Patent Class (Additional): G06F-009/46

File Segment: EPI

20/5/28 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008837867 **Image available**

WPI Acc No: 1991-341883/199147

XRPX Acc No: N91-261795

Accessing shared data in database concurrency control - using history file constructed to show each transaction and gives serialisation graph denoting active transactions and dependencies

Patent Assignee: TEXAS INSTR INC (TEXI)

Inventor: WANG C C

Number of Countries: 006 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 457473	A	19911121	EP 91304090	A	19910507	199147 B
US 5280619	A	19940118	US 90524775	A	19900517	199404
EP 457473	A3	19930908	EP 91304090	A	19910507	199509
EP 457473	B1	19990825	EP 91304090	A	19910507	199939
DE 69131545	E	19990930	DE 631545	A	19910507	199946
			EP 91304090	A	19910507	

Priority Applications (No Type Date): US 90524775 A 19900517

Cited Patents: SR.Pub; 3.Jnl.Ref

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 EP 457473 A 10

Designated States (Regional): DE FR GB IT NL

US 5280619 A 7 G06F-009/00

EP 457473 B1 E G06F-017/30

Designated States (Regional): DE FR GB IT NL

DE 69131545 E G06F-017/30 Based on patent EP 457473

Search report

Abstract (Basic): EP 457473 A

When a lock is requested the apparatus constructs a history file for the **shared** data to show each transaction. The file also shows the constructing of a serialisation **graph** with each node denoting an active transaction and each directed edge denoting a dependency between two transactions.

The serialisation **graph** (20) is searched for a cycle formed by transactions (24,25,26) and if any is found the transactions are aborted and restarted. A read or write as executed by the transactions are recorded.

USE/ADVANTAGE - More fully exploits **concurrency** of multiple transactions. **Program** can be used in various business programs involving e.g. savings accounts and airline ticket reservations. (10pp Dwg.No.2/2)

Title Terms: ACCESS; SHARE; DATA; DATABASE; CONTROL; HISTORY; FILE; CONSTRUCTION; SHOW; TRANSACTION; **GRAPH** ; DENOTE; ACTIVE; TRANSACTION
Derwent Class: T01
International Patent Class (Main): **G06F-009/00 ; G06F-017/30**
International Patent Class (Additional): **G06F-012/00 ; G06F-015/40**
File Segment: EPI

20/5/29 (Item 29 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

008696996 **Image available**
WPI Acc No: 1991-201016/199128
XRPX Acc No: N91-153805

Status word modification device for data communication device - has two uarts contg. fifo buffers, status buffers and control registers allowing status words to pass through interface

Patent Assignee: HAYES MICROCOMPUTER PROD (HAYE-N); TELOGY NETWORKS INC (TELO-N); HAYES MICROCOMPUTER PROD INC (HAYE-N)

Inventor: JERRIM J W; SWANSON S C

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2025511	A	19910501	CA 2025511	A	19900917	199128 B
US 5218683	A	19930608	US 89428870	A	19891030	199324
			US 92873966	A	19920424	
CA 2025511	C	20000125	CA 2025511	A	19900917	200025

Priority Applications (No Type Date): US 89428870 A 19891030; US 92873966 A 19920424

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2025511	A		20		
CA 2025511	C	E		G06F-013/00	
US 5218683	A		9	G06F-009/00	Cont of application US 89428870

Abstract (Basic): CA 2025511 A

The device has a serial communications device (11) which contains two universal asynchronous **receiver** transmitters (UARTs) (14, 15). Each UART contains a first in, first out (FIFO) **buffer** (14a), two status buffers (14b, 14c), and a FIFO control register (14d). If the applications program in the host (10) is an enhanced **application program** which **supports** the use of the FIFO **buffer**, then the program will cause FIFO enablement instructions to be written into the control register. In this case, the interface circuit (22) allows the status words to pass unaltered whenever the host (10) reads the status

Search report

buffers (14b, 14c).

If the applications program is a standard applications **program** which does not **support** the use of the FIFO **buffer**, then the program will not write to the control register. In this case, the interface circuit will alter the **value** of **selected** bits of the status words if the user has enabled the FIFO **buffer** and the host reads the status buffers. The alteration of the status word prevents the standard applications program from treating the FIFO- **related** bits in the status words as data errors.

USE - For serial communication cards using UARTs. (20pp Dwg.No.1/2
Title Terms: STATUS; WORD; MODIFIED; DEVICE; DATA; COMMUNICATE; DEVICE; TWO
; CONTAIN; FIFO; **BUFFER** ; STATUS; **BUFFER** ; CONTROL; REGISTER; ALLOW;
STATUS; WORD; PASS; THROUGH; INTERFACE
Derwent Class: T01
International Patent Class (Main): **G06F-009/00 ; G06F-013/00**
International Patent Class (Additional): **G06F-013/00**
File Segment: EPI

20/5/30 (Item 30 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

008286277 **Image available**
WPI Acc No: 1990-173278/199023
XRPX Acc No: N90-134753

**Generic application programming interface - transforms function
parameters and saves and restores processor status during access to
system function**

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: BURGER B H; HIDALGO D S
Number of Countries: 005 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 371941	A	19900606	EP 89850413	A	19891127	199023 B
BR 8906001	A	19900619				199029
US 5097533	A	19920317	US 88277372	A	19881129	199214
EP 371941	A3	19920902	EP 89850413	A	19891127	199338
EP 371941	B1	19960703	EP 89850413	A	19891127	199631
DE 68926775	E	19960808	DE 626775	A	19891127	199637
			EP 89850413	A	19891127	

Priority Applications (No Type Date): US 88277372 A 19881129

Cited Patents: NoSR.Pub; 2.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5097533	A		13		
EP 371941	B1 E	18		G06F-009/40	
Designated States (Regional): DE FR GB					
DE 68926775	E			G06F-009/40	Based on patent EP 371941

Abstract (Basic): EP 371941 A

A **support** system for interfacing **application** programs (16) written in a number of languages has a number of generic program interfaces API's (14) defined, each with a corresponding set of parameters in a form consistent with the system's functions. These parameters are transformations of similar parameters associated with the application programs calling the API's.

The processor states **relating** to the application programs are stored in a table (17) **shared** by the generic API's. When a system function exits, the processor state is restored and control returned to

Search report

the application program.

ADVANTAGE - Permits programs in different languages to access various system services e.g. databases and operating systems without having separate entry **points** for each language supported. This also reduces maintenance and development. (14pp Dwg.No.1/7)

Title Terms: APPLY; PROGRAM; INTERFACE; TRANSFORM; FUNCTION; PARAMETER; SAVE; RESTORATION; PROCESSOR; STATUS; ACCESS; SYSTEM; FUNCTION

Derwent Class: T01

International Patent Class (Main): **G06F-009/40**

International Patent Class (Additional): **G06F-007/10 ; G06F-009/44 ;**

G06F-013/14

File Segment: EPI

20/5/31 (Item 31 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008137392 **Image available**

WPI Acc No: 1990-024393/199004

XRPX Acc No: N90-018660

Multiplane image mixing for computer graphics display windows - using multiple memory buffers either for bit encoding or multiplane lateral bit encoding, designating display priority among buffers

Patent Assignee: IBM CORP (IBMC)

Inventor: DINICOLA P D; DUMAS F N; LAWLESS J J

Number of Countries: 004 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 352012	A	19900124	EP 89307077	A	19890712	199004 B
US 4951229	A	19900821	US 88223138	A	19880722	199036

Priority Applications (No Type Date): US 88223138 A 19880722

Cited Patents: A3...9024; EP 139093; No-SR.Pub; US 4317114; US 4509043; US 4616336; US 4757309

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 352012 A E 8

Designated States (Regional): DE FR GB

Abstract (Basic): EP 352012 A

Multiple memory buffers (24, 26, 28, 30) are used to produce images through bit plane encoding or to **combine** display images through the use of lateral bit encoding. Each memory **buffer** can be independently associated with a display monitor (50) or the images can be mixed through the use of hardware or software to create a composite display. Separate buffers can be used to create an animated display.

The image mixer (32) **combines** images so that portions of the highest priority image are always displayed, also objects may be displayed with apparent motion. Alternatively memory buffers may be **linked** in a manner which allows smooth scrolling through the **linked** image as if it was one large page.

USE/ADVANTAGE - Colour image display mixing. **Supports** several independent **applications** or multiple image mixing.

1/7

Title Terms: MULTIPLANAR; IMAGE; MIX; COMPUTER; **GRAPHIC** ; DISPLAY; WINDOW; MULTIPLE; MEMORY; **BUFFER** ; BIT; ENCODE; MULTIPLANAR; LATERAL; BIT; ENCODE; DESIGNATED; DISPLAY; PRIORITY; **BUFFER**

Derwent Class: P85; T01; T04

International Patent Class (Additional): **G06F-015/72 ; G09G-001/00**

File Segment: EPI; EngPI

Search report

20/5/32 (Item 32 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
 (c) 2002 Thomson Derwent. All rts. reserv.

007858603 **Image available**
 WPI Acc No: 1989-123715/198917
 XRPX Acc No: N89-094327

Data access system for file access processor - services requests about data from application support processors using session request and catalogue

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
 Inventor: BENDERT E J; BENNETT R B; BARNES C C; SZCZYGIELSKI T J
 Number of Countries: 004 Number of Patents: 005
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 312786	A	19890426	EP 88115429	A	19880921	198917 B
US 5077658	A	19911231	US 90593278	A	19900921	199204
US 5237682	A	19930817	US 87110370	A	19871019	199334
			US 89393094	A	19890802	
			US 90593278	A	19900921	
			US 91768121	A	19910927	
EP 312786	B1	19951227	EP 88115429	A	19880921	199605
DE 3854831	G	19960208	DE 3854831	A	19880921	199611
			EP 88115429	A	19880921	

Priority Applications (No Type Date): US 87110370 A 19871019; US 90593278 A 19900921; US 89393094 A 19890802; US 91768121 A 19910927

Cited Patents: 3.Jnl.Ref; A3...9113; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 312786	A	E	20		

Designated States (Regional): DE FR GB

US 5237682	A	17	G06F-012/02	Cont of application US 87110370
				Cont of application US 89393094
				Cont of application US 90593278
				Cont of patent US 5077658

EP 312786	B1	E	23	G06F-017/30
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Designated States (Regional): DE FR GB

DE 3854831	G		G06F-017/30	Based on patent EP 312786
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Abstract (Basic): EP 312786 A

The data access system includes a session management sub-component (20) at the top of the hierarchy of processes of requests for data. It provides the primary routing and control functions for the access system, and includes fundamental service routines for response **formulation**. These include; a start-up routine (22) which initialises the control structures of the access system; a work routine (28) which manages routing of control at a successful commit or unsuccessful roll-back at completion of a work unit.

Further, the session management sub-component provides a pool routine (24) which allocates and de-allocates control structures from blocks of working storage, and a terminate routine (30) for terminating storage and control structures when service to a particular **application support processor** is terminated.

ADVANTAGE - Performance is enhanced by reducing communications required with file access processor for information about files.

1/5

Title Terms: DATA; ACCESS; SYSTEM; FILE; ACCESS; PROCESSOR; SERVICE;
 REQUEST; DATA; APPLY; SUPPORT; PROCESSOR; SESSION; REQUEST; CATALOGUE
 Derwent Class: T01

Search report

International Patent Class (Main): G06F-012/02 ; G06F-017/30
 International Patent Class (Additional): G06F-015/40
 File Segment: EPI

20/5/33 (Item 33 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
 (c) 2002 Thomson Derwent. All rts. reserv.

007457982 **Image available**
 WPI Acc No: 1988-091916/198813
 XRPX Acc No: N88-069425

**Electronic maintenance support work station for product management -
 has item activated on screen targetted on graphics screen with part
 detail information provided when order point in search is reached**
 Patent Assignee: AEG WESTINGHOUSE TRANSPORTATION (AEGE); WESTINGHOUSE
 ELECTRIC CORP (WESE)

Inventor: CALLOWAY J D; HOLZER R F; MATHENY S E; ORWIG G W
 Number of Countries: 013 Number of Patents: 005
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8802152	A	19880324	WO 87US2412	A	19870917	198813 B
EP 285639	A	19881012	EP 87906708	A	19870917	198841
JP 1502621	W	19890907				198942
CA 1299760	C	19920428	CA 547168	A	19870917	199222
US 5146404	A	19920908	US 86909346	A	19860919	199239

Priority Applications (No Type Date): US 86909346 A 19860919
 Cited Patents: 4.Jnl.Ref; EP 109189; GB 2105075
 Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8802152	A	E	34		
Designated States (National): JP					
Designated States (Regional): AT BE CH DE FR GB IT LU NL SE					
EP 285639	A	E			
Designated States (Regional): DE FR GB					
US 5146404	A		21	G06F-015/21	
CA 1299760	C			G06F-015/21	

Abstract (Basic): WO 8802152 A

The EMS work station has a monitor screen displaying **text** information **related** to various assemblies, subassemblies and parts of a product serviced by the station. Another monitor screen displays **graphic** illustrations of the product assemblies, subassemblies and parts. A number of **text** files are stored with each **text** file containing predetermined data associated with a product assembly, subassembly or part at a particular level of an **hierarchical** organisation of the product structure.

A number of **graphics** are **shared** with each **graphic** containing an illustration of a produce assembly or part at a particular level of the hierarchy of the product structure. Each **text** file is **linked** with a corresponding **graphic**. User **selector** **relative** to the **text** screen are generated and detected.

ADVANTAGE - Facilitates management decision making

Title Terms: ELECTRONIC; MAINTAIN; SUPPORT; WORK; STATION; PRODUCT;
 MANAGEMENT; ITEM; ACTIVATE; SCREEN; TARGET; **GRAPHIC** ; SCREEN; PART;
 DETAIL; INFORMATION; ORDER; **POINT** ; SEARCH; REACH

Derwent Class: T01
 International Patent Class (Main): G06F-015/21
 International Patent Class (Additional): G06F-015/20 ; G06F-015/24
 File Segment: EPI

20/5/34 (Item 34 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

06795183 **Image available**
DEVICE FOR MANAGING SIMULTANEOUS UTILIZATION OF **SHARED RESOURCES** AND
PROGRAM RECORDING MEDIUM THEREFOR

PUB. NO.: 2001-022664 [JP 2001022664 A]
PUBLISHED: January 26, 2001 (20010126)
INVENTOR(s): TAKAMURA HIDEKI
APPLICANT(s): CASIO COMPUT CO LTD
APPL. NO.: 11-197147 [JP 99197147]
FILED: July 12, 1999 (19990712)
INTL CLASS: **G06F-013/00 ; G06F-015/177**

ABSTRACT

PROBLEM TO BE SOLVED: To speedily take required measures for dealing with efficiency degradation by recognizing whether the transmission of this time utilizing resources **shared** by respective computer systems composing of a communication system is efficiently performed or not in the transmission source when data are transmitted while utilizing these **shared** resources.

SOLUTION: When **transferring** data while utilizing the communication line of **shared** resources, clients CT1-CT4 measure the **transfer** efficiency of this time on the basis of the amount of these data or **transfer** time required for that **transfer**. This **transfer** efficiency is compared with the predetermined threshold **value** of **transfer** efficiency and when the **transfer** efficiency is degraded, the congested state of the communication line is discriminated. Corresponding to that discrimination, measures for dealing with efficiency degradation are taken.

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20/5/35 (Item 35 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

05265818 **Image available**
ALLOCATOR AND ALLOCATING METHOD FOR MEMORY

PUB. NO.: 08-221318 [JP 8221318 A]
PUBLISHED: August 30, 1996 (19960830)
INVENTOR(s): WATANABE YOSHIO
APPLICANT(s): SEIKO EPSON CORP [000236] (A Japanese Company or Corporation)
, JP (Japan)
APPL. NO.: 07-027174 [JP 9527174]
FILED: February 15, 1995 (19950215)
INTL CLASS: [6] **G06F-012/02**
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors)

ABSTRACT

PURPOSE: To efficiently use the whole memory resources by automatically changing the size of a memory area corresponding to status when the memory area out of the memory **resources** provided in computer **application** equipment is allocated to a specific application.

Search report

CONSTITUTION: When this allocator and allocating method are applied to a printer, one **buffer** block 100-1 is allocated first as a reception **buffer**. When the block 100-1 is filled with reception data from a host, a second **buffer** block 100-2 is allocated, and it is **linked** with the first **buffer** block 100-1. Similarly, additional **buffer** blocks 100-3,... are allocated sequentially within a range not exceeding a prescribed upper limit **value**, then, they are **linked** with the existing **buffer** blocks, and in parallel with that, the blocks in which all the data are processed are detected from the existing **buffer** blocks 100-1, 100-2, 100-3,..., and allocation is canceled.

Set	Items	Description
S1	22951	SYSTEM?(2N)(OBJECT? OR FILE? OR SECTOR? OR HEADER?)
S2	2781831	DATA OR CONTENT? OR INFORMATION?
S3	1547372	UPDATE? OR NEW OR NEWER OR REVISE? OR LATEST OR CURRENT? OR LAST
S4	134412	(DIFFERENT? OR OPPOSITE? OR DISCRETE?)(3N)(SECTOR? OR AREA? ? OR LOCATION? OR LOCAL? OR PLACE? OR END OR ENDS)
S5	23893	(FIRST OR INITIAL OR PRIOR OR BEFORE OR PRIMARY)(3N)(ACCES- S? OR READ?)
S6	75336	(OPTICAL OR WORM)(N)(DISK? OR DISC? ? OR STORAGE? OR MEMOR- ?) OR WRITE()ONCE()READ
S7	378	S1 AND S6 AND S2
S8	0	S3 AND S4 AND S7
S9	1	S7 AND S4
S10	7	S7 AND S5
S11	51	S1 AND S3 AND S6
S12	12	S4 AND S5 AND S6
S13	8	S11 AND IC=(G06F-017? OR G06F-007?)
S14	27	S9 OR S10 OR S12 OR S13
S15	27	IDPAT (sorted in duplicate/non-duplicate order)
S16	26	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Oct 1976-2002/Apr(Updated 020805)
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File 350:Derwent WPIX 1963-2002/UD,UM &UP=200249
(c) 2002 Thomson Derwent

16/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014355629 **Image available**
WPI Acc No: 2002-176330/200223
XRPX Acc No: N02-133912

Optical disk drive outputs stored data after completion of access
when data are recorded in two different bands

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002015518	A	20020118	JP 2000191267	A	20000626	200223 B

Priority Applications (No Type Date): JP 2000191267 A 20000626

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002015518	A		7	G11B-020/10	

Abstract (Basic): JP 2002015518 A

NOVELTY - The data zone is divided into several bands. When the data to be reproduced is found to be recorded over two **different band areas**, the data reproduced by reading a data in one band area is stored in a buffer memory (13) **before** the start of **access** operation to the data in another band. The stored data in the buffer is output after the completion of the access operation.

USE - **Optical disk** drive.

ADVANTAGE - Prevents interruption in regeneration of data recorded in **different areas** during an access period, by storing regenerated data in buffer memory. Enables regenerating data recorded over **different band areas**, continuously.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of **optical disk** drive. (Drawing includes non-English language text).

Buffer memory (13)
pp; 7 DwgNo 1/2

Title Terms: OPTICAL; DISC; DRIVE; OUTPUT; STORAGE; DATA; AFTER; COMPLETE;

ACCESS; DATA; RECORD; TWO; BAND

Derwent Class: T03

International Patent Class (Main): G11B-020/10

File Segment: EPI

16/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013972050 **Image available**
WPI Acc No: 2001-456263/200149
XRPX Acc No: N01-338064

Data copy between peer-to-peer controllers managing storage devices
generating data structures according to the received data sets

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: MICKA W F; NOVICK Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6189079	B1	20010213	US 9883750	A	19980522	200149 B

Priority Applications (No Type Date): US 9883750 A 19980522

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6189079	B1		21	G06F-012/06	

Abstract (Basic): US 6189079 B1

NOVELTY - Host systems (4,6,8,10) may connect with each other and a primary controller (12) and a secondary controller (14) via a network (16) and the controllers control **access** to **primary** and secondary

direct **access** storage devices (18,20) such as hard discs, magnetic tape drives, **optical discs** etc. while the controllers include storage areas to store operands and other data.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a system for copying data sets, for a computer system, for memories and for code implemented on a computer readable medium.

USE - Copying data between peer-to-peer controllers at two **different locations**.

ADVANTAGE - Reduced response time for copying.

DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of the software and hardware environment

Host systems (4,6,8,10)

Controllers (12,14)

Network (16)

Storage devices (18,20)

pp; 21 DwgNo 1/6

Title Terms: DATA; COPY; PEER; PEER; CONTROL; MANAGE; STORAGE; DEVICE; GENERATE; DATA; STRUCTURE; ACCORD; RECEIVE; DATA; SET

Derwent Class: T01

International Patent Class (Main): G06F-012/06

International Patent Class (Additional): G06F-012/00

File Segment: EPI

16/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013855486 **Image available**

WPI Acc No: 2001-339699/200136

XRPX Acc No: N01-245683

Data **memory device e.g. magnetic disk unit, has decision unit to judge whether operating system of host apparatus is compatible and if so to provide access to data area of file system**

Patent Assignee: TOSHIBA KK (TOKE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001092696	A	20010406	JP 99271924	A	19990927	200136 B

Priority Applications (No Type Date): JP 99271924 A 19990927

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001092696	A		5	G06F-012/00	

Abstract (Basic): JP 2001092696 A

NOVELTY - Interfaces (16-1-16-n) are linked to several host apparatuses. When access demand is received from host apparatus via interface, decision unit judges whether the operating system of host computer is compatible. If it is compatible, access is provided to **data area (12) in file system**.

USE - E.g. magnetic disk unit, magneto- **optical disk** apparatus.

ADVANTAGE - Since compatibility of operating system is checked **before accessing**, system failure due to incompatible operating system is prevented.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of magnetic disk unit. (Drawing includes non-English language text).

Data area (12)

Interfaces (16-1-16-n)

pp; 5 DwgNo 1/5

Title Terms: **DATA**; MEMORY; DEVICE; MAGNETIC; DISC; UNIT; DECIDE; UNIT; JUDGEMENT; OPERATE; SYSTEM; HOST; APPARATUS; COMPATIBLE; SO; ACCESS;

DATA; AREA; FILE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-012/00

International Patent Class (Additional): G06F-003/06

File Segment: EPI

16/5/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013746674 **Image available**

WPI Acc No: 2001-230903/200124

XRPX Acc No: N01-164637

Picture file generating management system for endoscope, records the different management in the database, relevant to variety of image file data in disk

Patent Assignee: OLYMPUS OPTICAL CO LTD (OLYU)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001034631	A	20010209	JP 99208140	A	19990722	200124 B

Priority Applications (No Type Date): JP 99208140 A 19990722

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001034631	A	28	G06F-017/30	

Abstract (Basic): JP 2001034631 A

NOVELTY - The image file data of the specific object is stored in the detachable magneto **optical disk** (8a), mounted on the case. Primary management data of recorded image is produced and stored in database (11). The **new** image data independent of primary management data is recorded in the disk. The secondary management data is recorded in the memory relevant to **new** image.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the image database production management.

USE - For recording management of image files obtained from endoscope image used for intra-corporeal observation.

ADVANTAGE - Effective sharing of image data between various terminals in the network is ensured, irrespective of linkage of terminals with network.

DESCRIPTION OF DRAWING(S) - The figure shows the explanatory view of picture **file management system**.

Magneto **optical disk** (8)

Database (11)

pp; 28 DwgNo 1/32

Title Terms: PICTURE; FILE; GENERATE; MANAGEMENT; SYSTEM; ENDOSCOPE; RECORD ; MANAGEMENT; DATABASE; RELEVANT; VARIETY; IMAGE; FILE; DATA; DISC

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): G06F-003/06; G06F-019/00;

G06T-001/00

File Segment: EPI

16/5/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013594973 **Image available**

WPI Acc No: 2001-079180/200109

XRPX Acc No: N01-060224

Information reproducing device for compact disk, transfers data from cache to another memory, if difference between last and first correct addresses preceding and following incorrect addresses, equals preset value

Patent Assignee: DEUT THOMSON-BRANDT GMBH (THOH)

Inventor: HUETTER I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6118737	A	20000912	US 99277363	A	19990326	200109 B

Priority Applications (No Type Date): US 99277363 A 19990326

Patent Details:

Patent No	Kind	Lang	Pg	Main IPC	Filing Notes
US 6118737	A		7	G11B-017/22	

Abstract (Basic): US 6118737 A

NOVELTY - Data stored in data areas associated with incorrect and correct addresses, are stored in cache (5) and memory (6) respectively. A controller (11) transfers data stored in memory (5) to memory (6), if difference between last and first correct address preceding and following series of incorrect addresses is equal to total number of data areas associated with series of incorrect addresses plus one.

DETAILED DESCRIPTION - An optical scanning unit (2) generates data stream from the information recorded on the recording medium. An address checking unit (4) decodes address stored in the address areas of data stream and forwards data stored in data areas to the memory (9). A control unit (12) connected to the control unit (11), controls the scanning unit to scan again the area of the recording medium containing sectors having incorrect addresses. An INDEPENDENT CLAIM is also included for method for reproducing encoded data with low reproduction error rate.

USE - For reproducing information recorded in **optical disks** such as compact disk (CD), writable optical recording media such as CD-R, CD-RW, magneto-**optical disks**, optically scannable tape recording media, solid state recording media, etc.

ADVANTAGE - Data areas having incorrect addresses are not decoded and reproduced unless there is a high probability that they correctly fit between those data areas preceding and following the series of incorrect address areas. If the difference between last and first correct addresses is not equal to the number of data series contained in series of sectors having incorrect addresses, the respective data areas are not played back. So enjoyment of listening or viewing is not reduced. Optical scanner scans contactless and allows for an extremely quick access to **different areas** of information recording medium. Area of second memory and other memories are reduced, thereby increasing storage capacity of cache memory, so that bigger series of data areas belonging to incorrect addresses can be stored. So even a large dirty area in the recording medium can be reproduced correctly. During repeated reading of the areas having incorrectly decoded address, there is a chance to correctly read and/or decode the address areas which are incorrectly **read** or decoded during **first** or another preceding try. The encoded data is reproduced with low reproduction error rate and frequency of use of incorrect addresses is reduced. Succession of sectors having interpolated addresses is unrecognizable by the listener or viewer.

DESCRIPTION OF DRAWING(S) - The figure shows the diagrammatic view of information reproducing device.

Optical scanning unit (2)

Address checking unit (4)

Memory (5,6,9)

Decoder (7)

Control unit (11,12)

pp; 7 DwgNo 1/3

Title Terms: INFORMATION; REPRODUCE; DEVICE; COMPACT; DISC; TRANSFER; DATA; CACHE; MEMORY; DIFFER; LAST; FIRST; CORRECT; ADDRESS; PRECEDE; FOLLOW; INCORRECT; ADDRESS; EQUAL; PRESET; VALUE

Derwent Class: T03; W04

International Patent Class (Main): G11B-017/22

File Segment: EPI

16/5/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012556094 **Image available**

WPI Acc No: 1999-362200/199931

XRPX Acc No: N99-270218

Drawing data display unit of electronic file system - displays revision condition display data superimposing on drawing image information, when read-out drawing is in revising operation state

Patent Assignee: OKI ELECTRIC IND CO LTD (OKID)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11134357	A	19990521	JP 97301036	A	19971031	199931 B

Priority Applications (No Type Date): JP 97301036 A 19971031

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11134357	A		5	G06F-017/30	

Abstract (Basic): JP 11134357 A

NOVELTY - Registration information (F1) stored in an **optical disk** (15), includes drawing state information which shows whether the drawing (1) is in revising operation state. A display (12) displays revision state display data (SD) superimposed on the drawing image information (PD) when read-out drawing is in revising operation state. DETAILED DESCRIPTION - The **optical disk** (15) stores image information of different drawings and drawing search registration information. A designation unit designates a drawing functioning as the search object. A search unit searches for designated drawing according to the registration information and reads out the searched drawing image information from the memory.

USE - For displaying drawing data in electronic **file system** .

ADVANTAGE - Eliminates incorrect use of drawing which is in revision operation state as normal drawing. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of electronic **file system** . (1) Drawing; (12) Display unit; (15) **Optical disk** .

Dwg.1/4

Title Terms: DRAW; DATA; DISPLAY; UNIT; ELECTRONIC; FILE; SYSTEM; DISPLAY;

REVISED ; CONDITION; DISPLAY; DATA; SUPERIMPOSED; DRAW; IMAGE;

INFORMATION; READ; DRAW; OPERATE; STATE

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): G06F-012/00

File Segment: EPI

16/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012526317 ****Image available****

WPI Acc No: 1999-332423/199928

XRPX Acc No: N99-250058

Lens arrangement in optical pick-up apparatus - has electromagnetic drive unit to move bobbin accommodated with objective lens and objective lens group, along direction perpendicular to optical axis direction of lens

Patent Assignee: SONY CORP (SONY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11120587	A	19990430	JP 97285894	A	19971017	199928 B

Priority Applications (No Type Date): JP 97285894 A 19971017

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11120587	A		14	G11B-007/09	

Abstract (Basic): JP 11120587 A

NOVELTY - An electromagnetic drive unit drives a bobbin (36) accommodating an objective lens group (22) and an objective lens (34), along a perpendicular direction to the optical axis of the objective lenses (22,34). DETAILED DESCRIPTION - An optical system (11) has on objective lens (22) and a point ball lens (23) which is arranged

opposite to an **optical disc** (8) so that the optical axis of both the lenses (22,23) are arranged along a same line. The optical system (12) has an objective lens to read **information** signals from the two **optical discs** (6,7).

USE - In optical pick-up apparatus used for reproducing-regenerating **information** from **optical disc**, magneto-optical.

ADVANTAGE - Enables to reproduce signals from **different location** along thickness direction of the discs. Reduces size of apparatus by arranging objective lenses in a signal bobbin. DESCRIPTION OF

DRAWING(S) - The figure indicates the lens arrangement in optical pick-up apparatus. (6-8) **Optical disc**; (11,12) **Optical systems**; (22) Group **objective** lens; (23) Point ball lens; (34) Objective lens; (36) Bobbin.

Dwg.1/11

Title Terms: LENS; ARRANGE; OPTICAL; PICK; UP; APPARATUS; ELECTROMAGNET; DRIVE; UNIT; MOVE; BOBBIN; ACCOMMODATE; OBJECTIVE; LENS; OBJECTIVE; LENS; GROUP; DIRECTION; PERPENDICULAR; OPTICAL; AXIS; DIRECTION; LENS

Derwent Class: T03; W04

International Patent Class (Main): G11B-007/09

File Segment: EPI

16/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012436463 **Image available**

WPI Acc No: 1999-242571/199920

XRPX Acc No: N99-180422

Accessing and updating method for optical disk library

Patent Assignee: CYGNET STORAGE SOLUTIONS INC (CYGN-N)

Inventor: BENZIE S E; HANGGIE S R; SMITH R H; WEAVER M L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5884298	A	19990316	US 9623233	A	19960329	199920 B
			US 9625752	A	19960919	
			US 96770853	A	19961220	

Priority Applications (No Type Date): US 96770853 A 19961220; US 9623233 P 19960329; US 9625752 P 19960919

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5884298	A	60	G06F-017/30		Provisional application US 9623233 Provisional application US 9625752

Abstract (Basic): US 5884298 A

NOVELTY - **Optical disk** data is stored in a hard disk when it is requested more frequently than other **optical disk** data. The data requests are monitored by cache **file system** which satisfies requests by accessing and communicating requesting data from the cache. The actual storage locations of **optical disks** are reconciled with storage locations represented in a database.

DETAILED DESCRIPTION - Unique contents based values are generated for each of catalogued disks, by iteratively reading data from target disk and processing it using selected hashing algorithm. Catalog data streams are generated, that comprise fixed length data representing file and subdirectory attributes as well as variable length data representing file names and directory names. Limited catalogs representing file and subdirectory data are confined to fixed maximum number of subdirectory levels. The limited catalogs include file and directories on disk possessing attributes which match specific set of filter parameters. INDEPENDENT CLAIMS are included for the following:

- Finger print identification value creating method;
- Hierarchical index display method;
- Optical media location verification method;
- Contents cataloging method for removable computer readable medium.

USE - For **optical disk** e.g. CDROM library management.

ADVANTAGE - Enhances performance of **optical disk** library by storing frequency used or otherwise important **optical disk** data in high speed cache.

DESCRIPTION OF DRAWING(S) - The figure shows steps of hard disk based data cache in **optical disk** management system.

pp; 60 DwgNo 9/23

Title Terms: ACCESS; **UPDATE** ; METHOD; OPTICAL; DISC; LIBRARY

Derwent Class: T01; T03; W04

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

16/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011951048 ****Image available****

WPI Acc No: 1998-367958/199832

XRPX Acc No: N98-287935

Magneto optical disc drive - in which TOC information read -out from first memory is recorded onto recording medium and then regenerated and stored in second memory

Patent Assignee: SONY CORP (SONY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10144011	A	19980529	JP 96300480	A	19961112	199832 B

Priority Applications (No Type Date): JP 96300480 A 19961112

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10144011	A	20	G11B-020/18	

Abstract (Basic): JP 10144011 A

The apparatus includes a verification memory (23) with a pair of memories (23A,23B), controlled by a CPU (11). Data written into a recording medium is generated by a recording processing unit. A pick-up unit reads out data recorded in the recording medium and supplies it to a regenerating unit. Prior to data recording process, a TOC information or data management file stored in **first** memory is **read** -out and forwarded to a DRAM (14) and then written into a **different area** of recording medium, by a disc drive unit (25).

Then the written TOC information is regenerated and then stored in DRAM and the second memory. The coincidence of data stored in the memories are then compared. If there is any discrepancy in the compared data, a warning signal is displayed in a display unit (9).

ADVANTAGE - Provides warning on abnormalities in recording medium. Reduces time required for writing information.

Dwg.1/10

Title Terms: MAGNETO; OPTICAL; DISC; DRIVE; INFORMATION; READ; FIRST;

MEMORY; RECORD; RECORD; MEDIUM; REGENERATE; STORAGE; SECOND; MEMORY

Derwent Class: T03; W04

International Patent Class (Main): G11B-020/18

International Patent Class (Additional): G06F-003/06; G06F-003/08

File Segment: EPI

16/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011951047 ****Image available****

WPI Acc No: 1998-367957/199832

XRPX Acc No: N98-287934

Disc apparatus used for recording digital data in magneto optical disc - produces warning sign when content of first memory that contains predetermined data and second memory that contains data reproduced from

predetermined area of disc, are different

Patent Assignee: SONY CORP (SONY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10144010	A	19980529	JP 96300479	A	19961112	199832 B

Priority Applications (No Type Date): JP 96300479 A 19961112

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10144010	A		20	G11B-020/18	

Abstract (Basic): JP 10144010 A

The apparatus comprises a verification memory (23) that is controlled by a CPU. A predetermined data is stored in a first portion (23A) of the verification memory. During recording of data, the predetermined data stored in the first memory is forwarded to a DRAM (14). A disc drive (25) writes the predetermined data in a predetermined area of a magneto **optical disc**.

The written data is reproduced from the predetermined area and is stored in a second portion (23B) of the verification memory. The CPU performs verification process by comparing the content of the first and second memory. When the contents are different, a warning sign is given by a display unit (9).

ADVANTAGE - Prevents ineffective data write-in operation. Reduces process time by performing verification only during **first** write-in or **read** -out process.

Dwg.1/10

Title Terms: DISC; APPARATUS; RECORD; DIGITAL; DATA; MAGNETO; OPTICAL; DISC ; PRODUCE; WARNING; SIGN; CONTENT; FIRST; MEMORY; CONTAIN; PREDETERMINED; DATA; SECOND; MEMORY; CONTAIN; DATA; REPRODUCE; PREDETERMINED; AREA; DISC

Derwent Class: T03; W04

International Patent Class (Main): G11B-020/18

International Patent Class (Additional): G06F-003/06; G06F-003/08;

G11B-007/00

File Segment: EPI

16/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011897935 **Image available**

WPI Acc No: 1998-314845/199828

XRPX Acc No: N98-246864

Image reading system for data recorded on film which holds incidental information area other than image area - processes read image and incidental information and outputs as data of single image

Patent Assignee: CANON KK (CANO)

Inventor: AMIKURA T; SATO H; SUZUKI R; TAMEKUNI Y

Number of Countries: 026 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 848543	A2	19980617	EP 97310126	A	19971215	199828 B
JP 10171037	A	19980626	JP 96335775	A	19961216	199836
JP 10187960	A	19980721	JP 96353923	A	19961219	199839
JP 10190913	A	19980721	JP 96354728	A	19961220	199839
US 6249362	B1	20010619	US 97988508	A	19971210	200137

Priority Applications (No Type Date): JP 96354728 A 19961220; JP 96335775 A 19961216; JP 96353923 A 19961219

Cited Patents: No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 848543	A2	E	78	H04N-001/387	

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

JP 10171037 A 10 G03B-027/46

JP 10187960 A 19 G06T-005/00
JP 10190913 A 13 H04N-001/00
US 6249362 B1 G03F-003/10

Abstract (Basic): EP 848543 A

The image reading system which reads an image recorded on a film capable of holding incidental information of the image in an **area different** from an **area** where the image is recorded, has a reading device (114) for reading the incidental information of the image recorded on the film. A processing device (160, 161) processes the read image and the incidental information read by the reading device and outputs data of a single image.

A display device (122) displays the data of the single image outputted from said processing device (160, 161). The incidental information is date information. The processing device (160, 161) changes an output colour of the date information (S110). The processing device automatically determines an output colour of the date information on the basis of a colour of the read image.

USE - Particularly for displaying image of object which has been sensed against sun at desired brightness on display screen. E.g. for accessing information from floppy or hard disc, CD-ROM, CD-R, magneto-optical disc, magnetic tape or non-volatile memory.

ADVANTAGE - Capable of obtaining preview image of low resolution without performing scanning operation, and swiftly reads image from film at high resolution where image has been **read before**.

Dwg.1/50

Title Terms: IMAGE; READ; SYSTEM; DATA; RECORD; FILM; HOLD; INCIDENTAL; INFORMATION; AREA; IMAGE; AREA; PROCESS; READ; IMAGE; INCIDENTAL; INFORMATION; OUTPUT; DATA; SINGLE; IMAGE

Derwent Class: P84; T01; W04

International Patent Class (Main): G03B-027/46; G03F-003/10; G06T-005/00; H04N-001/00; H04N-001/387

International Patent Class (Additional): G03B-027/52; G06F-015/00; G06T-001/00; H04N-001/40; H04N-001/46

File Segment: EPI; EngPI

16/5/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010988481 **Image available**
WPI Acc No: 1996-485430/199648
Related WPI Acc No: 1997-448273
XRPX Acc No: N96-409005

Object-oriented file structuring system e.g. f-on magnetic disk, tape or optical disk - provides file of objects, each comprising prefix, suffix, and contents, and creates focus list of focus entries of file when file is open, and accesses objects while objects are in focus

Patent Assignee: MENAI CORP (MENA-N)

Inventor: HENDERSON T A; WILCOX J A; WILCOX J J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5568639	A	19961022	US 93158591	A	19931124	199648 B

Priority Applications (No Type Date): US 93158591 A 19931124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5568639	A		23	G06F-007/00	

Abstract (Basic): US 5568639 A

DATA objects, CONTAINER **objects** and **SYSTEM** **objects** are defined that facilitates navigation through a **file structuring system**. Notation and nomenclature are defined for building files composed of CONTAINERS and DATA and **SYSTEM** **objects** and for defining relationships between and among files, CONTAINERS and DATA. A FOCUS LIST tracks objects of interest and aids in NAVIGATION. CONTAINER

objects contain other objects.

DATA objects enclose DATA in either machine-dependent or machine-independent value representations. Developers work with logical files and can freely create and modify the logical relationships of file objects. A RECONSTITUTION algorithm periodically **updates** the physical file to correspond to the logical file.

Dwg.3/16

Title Terms: OBJECT; ORIENT; FILE; STRUCTURE; SYSTEM; MAGNETIC; DISC; TAPE; OPTICAL; DISC; FILE; OBJECT; COMPRISE; PREFIX; CONTENT; FOCUS; LIST; FOCUS; ENTER; FILE; FILE; OPEN; ACCESS; OBJECT; OBJECT; FOCUS

Derwent Class: T01

International Patent Class (Main): **G06F-007/00**

International Patent Class (Additional): G06F-009/00

File Segment: EPI

16/5/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010716296 **Image available**

WPI Acc No: 1996-213251/199622

XRPX Acc No: N96-178681

Optical disk for data recording - has processor that outputs recording processing result to external device based on recording process of light data received esp. when abnormality is judged by decision circuit

Patent Assignee: TOSHIBA KK (TOKE)

Inventor: KAWAKAMI I

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8076939	A	19960322	JP 94208723	A	19940901	199622 B
US 5574708	A	19961112	US 95522704	A	19950901	199651

Priority Applications (No Type Date): JP 94208723 A 19940901

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 8076939 A 11 G06F-003/06

US 5574708 A 13 G11B-007/00

Abstract (Basic): JP 8076939 A

The disk (1) has a first trial printer that sequentially performs several trial printings of printing data on the first trial printing domain outside the data recording domain of the **optical disk** upon omission of the light data from an external device. A **first reading** handle stage **reads** the printed data.

The read data is analysed by a decision circuit as to whether a normal reading is occurred. However, when the printed data is not normally readable, an identical operation on the first operation is performed once again by a second printer, second reading handle stage and second decision circuit. However, if still, a normal reading is not possible, a third decision circuit judges an abnormality in the light received. A normal termination of the recording process to the external device is performed when the abnormality is not determined. However, once an abnormality has been detected, a processor output the result externally.

ADVANTAGE - Prevents loss of light data by terminating light data to external device once abnormality is not detected and outputting processing result once abnormality is detected.

Dwg.1/7

Title Terms: OPTICAL; DISC; DATA; RECORD; PROCESSOR; OUTPUT; RECORD; PROCESS; RESULT; EXTERNAL; DEVICE; BASED; RECORD; PROCESS; LIGHT; DATA; RECEIVE; ABNORMAL; JUDGEMENT; DECIDE; CIRCUIT

Derwent Class: T01; T03

International Patent Class (Main): G06F-003/06; G11B-007/00

International Patent Class (Additional): G11B-020/10; G11B-020/12;

G11B-020/18

File Segment: EPI

16/5/14 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010459109 **Image available**
WPI Acc No: 1995-360428/199547
XRPX Acc No: N95-267957

Image reader for use with documents stored on optical disc - changes
colour of backing part behind original before reading with CCD
scanner

Patent Assignee: FUJITSU LTD (FUIT)
Inventor: KANEMITSU N; SAITO K; WADA M
Number of Countries: 005 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 679010	A2	19951025	EP 95104315	A	19950323	199547 B
JP 7298007	A	19951110	JP 9485068	A	19940422	199603
EP 679010	A3	19961227	EP 95104315	A	19950323	199710
EP 679010	B1	20000607	EP 95104315	A	19950323	200032
DE 69517364	E	20000713	DE 617364	A	19950323	200040
			EP 95104315	A	19950323	
US 6301019	B1	20011009	US 95408292	A	19950322	200162

Priority Applications (No Type Date): JP 9485068 A 19940422
Cited Patents: No-SR.Pub; 1.Jnl.Ref; DE 3444555; EP 295588; EP 41319; JP
59229967; US 3976833; US 4383275; US 5130807; US 5200837

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 679010	A2	E	35	H04N-001/00	
Designated States (Regional): DE FR GB					
JP 7298007	A		16	H04N-001/04	
EP 679010	A3			H04N-001/00	
EP 679010	B1	E		H04N-001/00	
Designated States (Regional): DE GB					
DE 69517364	E			H04N-001/00	Based on patent EP 679010
US 6301019	B1			H04N-001/38	

Abstract (Basic): EP 679010 A

The image reqder includes an electro-optical converter which scans
an original and converts it into an electrical signal. A backing member
has **differently** coloured **areas** arranged in a direction in which the
converter scans. It is positioned opposite the converter. A driving
mechanism moves the converter w.r.t. the backing member.

A controller operates the driving mechanism based upon a type of
the original. This controls a position of the converter w.r.t. the
backing member, facing one of the coloured areas. The converter output
is changed into digital data based upon a given whiteness level.

Dwg.3/20

Title Terms: IMAGE; READ; DOCUMENT; STORAGE; OPTICAL; DISC; CHANGE; COLOUR;
BACKING; PART; ORIGINAL; READ; CCD; SCAN

Derwent Class: W02

International Patent Class (Main): H04N-001/00; H04N-001/04; H04N-001/38

International Patent Class (Additional): G06T-001/00

File Segment: EPI

16/5/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009289461 **Image available**
WPI Acc No: 1992-416870/199251
XRPX Acc No: N92-317912

Computer data memory management system with duty classification table -
uses multidigit words with each bit indicating type of memory and
limitations together with availability

Patent Assignee: DIGITAL EQUIP CORP (DIGI)
Inventor: STOPPANI P
Number of Countries: 004 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 4218025	A	19921210	DE 4218025	A	19920601	199251	B
FR 2677146	A1	19921204	FR 926644	A	19920602	199305	
GB 2258546	A	19930210	GB 9211394	A	19920529	199306	
US 5287500	A	19940215	US 91709626	A	19910603	199407	
GB 2258546	B	19950208	GB 9211394	A	19920529	199509	
DE 4218025	C2	20020321	DE 4218025	A	19920601	200222	

Priority Applications (No Type Date): US 91709626 A 19910603

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4218025	A		10	G06F-015/40	
FR 2677146	A1			G06F-012/00	
GB 2258546	A		22	G06F-012/02	
US 5287500	A		9	G06F-013/10	
GB 2258546	B		2	G06F-012/02	
DE 4218025	C2			G06F-017/30	

Abstract (Basic): DE 4218025 A

A computer system (100) has a CPU (100) connected by a system bus (104) to a number of disc memories (106-110), a primary memory (112), a virtual memory (114) and a user interface (120). The primary memory (112) stores the user programme (122), the operating system (124), a **data** management programme (126) and the service duty dissipation **data** in tabulated form (130).

The duty classification **data** is in the form of 8 bit words, in which the **first** bit indicates, **access** times of less than 20 millisecond the second bit a cache memory, the third bit daily tape back up and the fourth bit the availability of memory. The remaining bits are unused.

ADVANTAGE - Improved management of different memories.

Dwg.1/6

Title Terms: COMPUTER; **DATA** ; MEMORY; MANAGEMENT; SYSTEM; DUTY; CLASSIFY; TABLE; MULTIDIGIT; WORD; BIT; INDICATE; TYPE; MEMORY; LIMIT; AVAILABLE

Derwent Class: T01

International Patent Class (Main): G06F-012/00; G06F-012/02; G06F-013/10; G06F-015/40; G06F-017/30

File Segment: EPI

16/5/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009247702 **Image available**

WPI Acc No: 1992-375119/199246

XRPX Acc No: N92-285935

Double-sided optical disc player - detects angular displacement in address location in track sector between opposite sides of double-sided optical disc and corrects address

Patent Assignee: MATSUSHITA ELEC IND CO LTD (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: AZUMATANI Y; FUKU Y; HAMASAKA H; SATOH I; TAKAGI Y; FUKUSHIMA Y

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 512860	A2	19921111	EP 92304171	A	19920508	199246	B
US 5253242	A	19931012	US 92878343	A	19920504	199342	
EP 512860	A3	19930623	EP 92304171	A	19920508	199405	
EP 512860	B1	19960717	EP 92304171	A	19920508	199633	
DE 69212217	E	19960822	DE 612217	A	19920508	199639	
			EP 92304171	A	19920508		
KR 9503173	B1	19950401	KR 927864	A	19920509	199708	

Priority Applications (No Type Date): JP 91105469 A 19910510

Cited Patents: No-SR.Pub; 3.Jnl.Ref; JP 1023424; JP 1286129; JP 2103731; JP 286129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 512860	A2	E	14	G11B-027/10	
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US 5253242	A		12	G11B-007/00	
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EP 512860	B1	E	16	G11B-027/10	
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Designated States (Regional): DE FR GB

DE 69212217	E			G11B-027/10	Based on patent EP 512860
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EP 512860	A3			G11B-027/10	
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KR 9503173	B1			G11B-007/00	
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Abstract (Basic): EP 512860 A

The player includes first and second optical heads (4A, 4B) for irradiating laser beams to tracks on respective sides (3A, 3B) of the double-sided **optical disc** (1). An ID offset detecting circuit (21) calculates, in response to outputs from the ID read-out circuits (10A, 10B) an ID offset value (17) descriptive of an annular displacement in **sector** position between **opposite** sides (3A, 3B) of the disc (1) traced by the associated optical heads (4A, 4B).

The ID offset value (18) is retained and is added to an output from the second ID read-out circuit (10B). A second sector recording and/or reproduction circuit (11B) detects a target sector address when a corrected sector address output from the adder coincides with the target sector on the other side of the disc (1).

ADVANTAGE - Reduces total time to complete data recording or reproduction.

Dwg.1/8

Title Terms: DOUBLE; SIDE; OPTICAL; DISC; PLAY; DETECT; ANGULAR;

DISPLACEMENT; ADDRESS; LOCATE; TRACK; SECTOR; OPPOSED; SIDE; DOUBLE; SIDE; OPTICAL; DISC; CORRECT; ADDRESS

Derwent Class: T03; W04

International Patent Class (Main): G11B-007/00; G11B-027/10

International Patent Class (Additional): G11B-007/085; G11B-021/08

File Segment: EPI

16/5/17 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008890720 **Image available**

WPI Acc No: 1992-017989/199203

Related WPI Acc No: 1992-018077

XRPX Acc No: N92-013655

Digital computer file system - has component file systems including read write primary file system and read only dump file systems

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT); THOMPSON K L (THOM-I); AT & T CORP (AMTT); AT & T IPM CORP (AMTT)

Inventor: PIKE R C; THOMPSON K L; PIKE C; THOMPSON L

Number of Countries: 007 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 466389	A	19920115	EP 91306017	A	19910702	199203 B
CA 2045799	A	19920112				199215
AU 649455	B	19940526	AU 9180334	A	19910710	199426
EP 466486	A3	19930811	EP 91306291	A	19910711	199507
EP 466389	A3	19930818	EP 91306017	A	19910702	199508
US 5457796	A	19951010	US 90551218	A	19900711	199546
			US 94259262	A	19940610	
EP 466389	B1	19981007	EP 91306017	A	19910702	199844
DE 69130312	E	19981112	DE 630312	A	19910702	199851
			EP 91306017	A	19910702	
CA 2046723	C	19981124	CA 2046723	A	19910710	199906
CA 2045799	C	19990323	CA 2045799	A	19910627	199930

Priority Applications (No Type Date): US 90551218 A 19900711; US 94259262 A 19940610

Cited Patents: NoSR.Pub; 00 5.Jnl.Re; 00 1.Jnl.

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 466389	A		16		
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Designated States (Regional): DE FR GB IT

AU 649455	B			G06F-015/20	Previous Publ. patent AU 9180334
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US 5457796	A		17	G06F-017/30	Cont of application US 90551218
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EP 466389	B1	E		G06F-011/14	
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Designated States (Regional): DE FR GB IT

DE 69130312	E			G06F-011/14	Based on patent EP 466389
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CA 2046723	C			G06F-009/00	
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CA 2045799	C			G06F-012/00	
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Abstract (Basic): EP 466389 A

File system for use in computer system includes one or more sets of secondary files. A second set of primary files has **contents** which include old **contents** (303, 305, 307) which are part of the **contents** of secondary files and **new contents** (311, 315) which are not part of the **contents** of secondary files.

USE/ADVANTAGE - **File system** in which user can select significant times to make backups and in which backups made at these times are as available to user as any other files. particularly suitable for **data** storage using **write once - read** many (WORM) devices. (16pp Dwg.No.3/7)

Title Terms: DIGITAL; COMPUTER; FILE; SYSTEM; COMPONENT; FILE; SYSTEM; READ ; WRITING; PRIMARY; FILE; SYSTEM; READ; DUMP; FILE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-009/00; G06F-011/14; G06F-012/00;

G06F-015/20; **G06F-017/30**

International Patent Class (Additional): G06F-003/06; G06F-009/44;

G06F-013/00

File Segment: EPI

16/5/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008717552 **Image available**

WPI Acc No: 1991-221571/199130

Related WPI Acc No: 1986-128128; 1986-128131; 1993-017789

XRPX Acc No: N91-169072

Image file system with memory - having automatic original feeder capable of avoiding incorrect image recording caused by double feeding or oblique feeding

Patent Assignee: CANON KK (CANO)

Inventor: ISHII H; WATAYA M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5003627	A	19910326	US 90503125	A	19900402	199130 B

Priority Applications (No Type Date): JP 84193874 A 19840918; JP 84186490 A 19840907; JP 84186491 A 19840907

Abstract (Basic): US 5003627 A

An **image file system** comprises a feeder for sequentially feeding a number of originals one-by-one to a predetermined position. A detector detects an abnormality in the feeding of an original fed by the feeder. A reader reads **image data** from the originals fed to the predetermined position, and outputs the **image data**. A first memory e.g. **optical disk** stores the **image data** outputted from the **reader**. The **first** memory is provided with a number of storage areas for storing the **image data** of the originals. A second memory stores **data** related to an array sequence of the **image data** stored in the storage areas of the first memory.

A controller controls the reader means so as to read the image **data** from the originals which are sequentially fed by the feeder to the predetermined position. A manager controls the first and second memory in such a manner that the first memory sequentially stored in the storage areas the image **data** sequentially outputted from the reader and the second memory stores the **data** related to the array sequence of the image **data** stored in the storage areas of the first memory.

ADVANTAGE - Originals are automatically detected, separated without interrupting continuous feeding of originals and read again for image recording after other originals have been read.

Dwg.8/16

Title Terms: IMAGE; FILE; SYSTEM; MEMORY; AUTOMATIC; ORIGINAL; FEED;
CAPABLE; AVOID; INCORRECT; IMAGE; RECORD; CAUSE; DOUBLE; FEED; OBLIQUE;
FEED
Derwent Class: T01; T04; W02; W04
International Patent Class (Additional): G06K-009/20
File Segment: EPI

16/5/19 (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008563279 **Image available**
WPI Acc No: 1991-067314/199110
XRPX Acc No: N91-052076

Image processing and storage apparatus - converts e.g. medical records for compatibility of removable stored media among different systems magnetic and optical disks

Patent Assignee: HITACHI MAXELL KK (HITM); UNIV CALIFORNIA (REGC)
Inventor: CHO P N S; HO B K T; HUANG H K; MORIOKA C A; RATIB O; SHINAGAWA T
; SONOBE T; HUANG H

Number of Countries: 015 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 415786	A	19910306	EP 90309556	A	19900831	199110 B
EP 415786	A3	19930421	EP 90309556	A	19900831	199401
US 5410676	A	19950425	US 89401146	A	19890831	199522
			US 92967558	A	19921027	
US 5471606	A	19951128	US 89401146	A	19890831	199602
			US 92967558	A	19921027	
			US 94212066	A	19940314	
EP 415786	B1	19990120	EP 90309556	A	19900831	199908
DE 69032904	E	19990304	DE 632904	A	19900831	199915
			EP 90309556	A	19900831	

Priority Applications (No Type Date): US 89401146 A 19890831; US 92967558 A 19921027; US 94212066 A 19940314

Cited Patents: NoSR.Pub; 1.Jnl.Ref; DE 3823252; EP 165382; EP 372703; US 4760526

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 415786	A		21		
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE					
EP 415786	A3		21		
US 5410676	A		16	G06F-015/40	Cont of application US 89401146
US 5471606	A		22	G11B-007/007	Cont of application US 89401146
					Div ex application US 92967558
					Div ex patent US 5410676
EP 415786	B1 E			G06F-017/30	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
DE 69032904	E			G06F-017/30	Based on patent EP 415786

Abstract (Basic): EP 415786 A

The system comprises an information processor having a specific operating system for processing selective medical data type information. An external storage reacts with the information processor.

The storage has data and directories written and **read** in a **first** format based on the specific operating system. An external storage format converter converts the data and directories in the first format to data and directories in a second format.

A designator designates **different areas** for storing the data and the directories. An **optical disk** drive stores the data and the directories on an **optical disk**. The directories are stored sequentially starting from the inner track, and the data is stored sequentially starting from the outer track.

ADVANTAGE - Solves incompatibility problems between different conventional computer processing and storage systems. (21pp Dwg.No.1/10
Title Terms: IMAGE; PROCESS; STORAGE; APPARATUS; CONVERT; MEDICAL; RECORD; COMPATIBLE; REMOVE; STORAGE; MEDIUM; SYSTEM; MAGNETIC; OPTICAL; DISC
Derwent Class: S05; T01
International Patent Class (Main): G06F-015/40; G06F-017/30; G11B-007/007
International Patent Class (Additional): G06F-007/22; G06F-013/00
File Segment: EPI

16/5/20 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008322080 **Image available**
WPI Acc No: 1990-209081/199027
XRPX Acc No: N90-162519

Staging method and system in electronic file - uses pointers of read key word or code information on management file

Patent Assignee: HITACHI LTD (HITA)
Inventor: OKAMI Y
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4934823	A	19900619	US 87117525	A	19871106	199027 B

Priority Applications (No Type Date): JP 86265487 A 19861110

Abstract (Basic): US 4934823 A

In a staging - system for an unrewritable storage medium such as an **optical disc** in which the updating or deletion of stored information is possible only by annotatively recording information concerning the updating or deletion, information stored in the medium before any alteration or charge including addition, updating and deletion is made to the medium is staged on a staging file while positions of the read or staged information are stored on a management file.

The **last** end of the information staged on the staging file is detected by referring to the information positions stored on the management file. Then, information concerning the addition is additionally recorded at a location on the staging file after the previously staged information while information concerning the updating or deletion is used to **update** or delete the information on the staging file at a location indicated by the information concerning the updating or deletion.

USE/ADVANTAGE - Shortening search time when data are read and retrieved from e.g. **optical disc**. (12pp Dwg.No.2/7)
Title Terms: STAGE; METHOD; SYSTEM; ELECTRONIC; FILE; POINT; READ; KEY; WORD; CODE; INFORMATION; MANAGEMENT; FILE
Derwent Class: T01
International Patent Class (Additional): G06F-007/38 ; G06F-009/46
File Segment: EPI

16/5/21 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008222448 **Image available**

WPI Acc No: 1990-109449/199015

XRPX Acc No: N90-084663

**Multi-file transfer method to storage medium e.g. optical disk -
providing rapid transfer of multiple files from one media to random
access back-up media**

Patent Assignee: ALPHATRONIX INC (ALPH-N)

Inventor: WHILSER J W

Number of Countries: 014 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 363135	A	19900411	EP 89310077	A	19891003	199015 B
US 5053945	A	19911001	US 88254274	A	19881006	199142
EP 363135	A3	19920115	EP 89310077	A	19891003	199321

Priority Applications (No Type Date): US 88254274 A 19881006

Cited Patents: NoSR.Pub; 1.Jnl.Ref; EP 263014; EP 273665; EP 86886; JP
62040562; US 754399

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 363135	A				

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

Abstract (Basic): EP 363135 A

Each of several files includes file contents and has file location information. The contents of each file are stored in a contents buffer. The location information for each file is stored in an information buffer. When the contents buffer is a predetermined percentage full a portion of the contents of the buffer is written to the storage medium. Similarly, when the information buffer is a predetermined percentage full, a portion of the contents of the information buffer is written to the storage medium.

The writing of the contents buffer is performed separately from the information buffer. In both cases writing allocation information is written separately to the storage medium. The predetermined percentage for the contents buffer is different from that of the information buffer.

ADVANTAGE - Reduces number of write operations to storage medium by storing portions of files of same type in ring buffers until sufficient information is stored to transfer contents of ring buffer to disk.

(109pp Dwg.No.2/19)

Title Terms: MULTI; FILE; TRANSFER; METHOD; STORAGE; MEDIUM; OPTICAL; DISC;
RAPID; TRANSFER; MULTIPLE; FILE; ONE; MEDIUM; RANDOM; ACCESS; BACK; UP;
MEDIUM

Derwent Class: T01

International Patent Class (Additional): G06F-012/08; G06F-013/10;
G06F-015/41

File Segment: EPI

16/5/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007535467 **Image available**

WPI Acc No: 1988-169399/198825

XRPX Acc No: N88-129536

**Optical disc apparatus for mass data memory - uses pulse width
modulation for data reproduction. area and pulse position modulation for
recording reproducing area**

Patent Assignee: MATSUSHITA ELEC IND CO LTD (MATU)

Inventor: MURAI K; SATOH I; USUI M

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 272135	A	19880622	EP 87311177	A	19871218	198825 B
JP 63157374	A	19880630	JP 86304274	A	19861219	198832
US 4821253	A	19890411	US 87132279	A	19871214	198917
EP 272135	B	19910925				199139

Priority Applications (No Type Date): JP 8769315 A 19870324; JP 86304274 A 19861219

Cited Patents: 1.Jnl.Ref; A3...8933; FR 2575857; No-SR.Pub; WO 8301334

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 272135	A	E	10		
Designated States (Regional): DE FR GB					
US 4821253	A		10		
EP 272135	B				
Designated States (Regional): DE FR GB					

Abstract (Basic): EP 272135 A

In the **optical disc** part of the sectors are reproduction only (11A,11B,14A,14B) and remaining sectors are recording reproduction sectors (12,15). Data and error correcting codes are recorded in advance in the reproduction only sectors. Second error correcting codes for data over a number of reproduction only sectors are recorded in advance. At data reproduction, only sectors which are unrecoverable by the first error codes undergo correction by the second codes. The corrected data with the first error correcting codes being appended are recorded in the recording-reproduction sectors.

Later, when data in sectors unrecoverable by the first error correcting codes are needed, the recorded data sectors are read out.

ADVANTAGE - Large capacity reproduction-only area and is operative in short access time.

1/8

Title Terms: OPTICAL; DISC; APPARATUS; MASS; DATA; MEMORY; PULSE; WIDTH; MODULATE; DATA; REPRODUCE; AREA; PULSE; POSITION; MODULATE; RECORD; REPRODUCE; AREA

Derwent Class: T03

International Patent Class (Additional): G11B-007/00; G11B-020/18

File Segment: EPI

16/5/23 (Item 23 from file: 347)

DIALOG(R)File 347:JAPIO

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06179063 **Image available**

MULTIBEAM TYPE **OPTICAL DISK** REPRODUCING DEVICE

PUB. NO.: 11-120612 [JP 11120612 A]

PUBLISHED: April 30, 1999 (19990430)

INVENTOR(s): SASAKI TOSHIHIRO

BABA TETSUYA

GOTOU SOUJIYU

KOIDE KIICHIRO

ITO SEIICHI

HARASAWA YOICHI

KITANO TOSHIAKI

APPLICANT(s): KENWOOD CORP

APPL. NO.: 09-297806 [JP 97297806]

FILED: October 14, 1997 (19971014)

INTL CLASS: G11B-007/14; G11B-007/09

ABSTRACT

PROBLEM TO BE SOLVED: To make it possible to surely execute reading of **data**.

SOLUTION: The adjacent plural tracks of the signal surface 1A of a CD-ROM 1 are irradiated with the five light beams 31 to 35 generated in an optical pickup 2A by an optical **system** including an **objective** lens 8. The **data** recorded in the respective tracks irradiated with the light beams 31 to 35 are simultaneously read by a recording **data** reproducing system from the detection outputs obtd. by detecting the respective return beams with photodetectors PD1 to PD5. The **data** are outputted in the recording order of the CD-ROM 1 so as to eliminate overlaps and omission. A system

controller 50A executes the offset bias adjustment of a focus servo system prior to reading out of the recording data . At this time, the controller adjusts the signal surface 1A so as to come exactly to the middle of the focal points P3 and P1 of the light beams 33 and 31 when this surface is viewed in the optical axis direction of the objective lens 8.

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16/5/24 (Item 24 from file: 347)
DIALOG(R)File 347:JAPIO
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06066195 **Image available**
OPTICAL DISK APPARATUS

PUB. NO.: 11-007706 [JP 11007706 A]
PUBLISHED: January 12, 1999 (19990112)
INVENTOR(s): SUZUKI MINORU
APPLICANT(s): TOSHIBA CORP
APPL. NO.: 09-158679 [JP 97158679]
FILED: June 16, 1997 (19970616)
INTL CLASS: G11B-019/04; G11B-019/02; G11B-020/10; G11B-020/18;
G11B-020/18; G11B-007/00

ABSTRACT

PROBLEM TO BE SOLVED: To shorten a reproduction time by reading first data after sectors next to an error sector when the error sector occurs while a plurality of sectors of a range not filling one round of a track are being reproduced, and reproducing the error sector when an apparatus reaches the error sector.

SOLUTION: When an error sector that cannot be corrected occurs during reading of sector data , a system controller 14 calculates a time passed after the error sector and calculates an estimated wait time from a sector being read to the error sector. When the apparatus while continuing the reading reaches immediately before an estimated position, a focus tracking control circuit 6 is controlled to move the apparatus to an inner circumference of the track. When the apparatus comes to a position of the error sector, the apparatus reads data again with monitoring sector numbers and reloads a correction and buffer RAM 10. After the reloading, a correction process and an EDC(error detection code) check for blocks are carried out again.

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16/5/25 (Item 25 from file: 347)
DIALOG(R)File 347:JAPIO
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03347661 **Image available**
ELECTRONIC FILE SYSTEM

PUB. NO.: 03-010561 [JP 3010561 A]
PUBLISHED: January 18, 1991 (19910118)
INVENTOR(s): HASUO KAMON
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 01-145668 [JP 89145668]
FILED: June 08, 1989 (19890608)
INTL CLASS: [5] H04N-001/00; H04N-001/21
JAPIO CLASS: 44.7 (COMMUNICATION -- Facsimile); 45.2 (INFORMATION
PROCESSING -- Memory Units
JAPIO KEYWORD:R002 (LASERS); R011 (LIQUID CRYSTALS); R098 (ELECTRONIC
MATERIALS -- Charge Transfer Elements, CCD & BBD); R131 (INFORMATION
PROCESSING -- Microcomputers & Microprocessors);
R138 (APPLIED ELECTRONICS -- Vertical Magnetic &

Photomagnetic Recording
JOURNAL: Section: E, Section No. 1049, Vol. 15, No. 121, Pg. 120,
March 25, 1991 (19910325)

ABSTRACT

PURPOSE: To reduce the entire original pickup time when plural originals are read by starting the paper feed of the next page on a prescribed page just after the tail end of a prescribed page of a prescribed original is carried up to the prescribed location and awaiting the succeeding page to the prescribed page **before** the original **read** start position till the picture **information** of the prescribed page is stored in a disk memory.

CONSTITUTION: A read position P3 is a position at which a CCD 25 reads picture **information** exposed by a light source (not shown) and a standby position P2 is a position at which a succeeding original is in standby till the storage of picture **information** of an original of one preceding page is finished in a magneto- **optical disk**. Rollers R1, R2, R3, R4, R5 carry the original placed on an original platen up to the read position. The CCD 25 reads the original while being carried. A paper feed sensor 3s and a CPU 11 start feeding a succeeding page of the prescribed page just after the tail end of the prescribed page of the prescribed original is carried to the prescribed position. The CPU 11 and the carrier roller R5 allow the succeeding page to the prescribed page to await **before** the original **read** start position (standby position P2) till the storage of picture **information** of the prescribed page is finished on the disk memory.

16/5/26 (Item 26 from file: 347)
DIALOG(R) File 347:JAPIO
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FILE SYSTEM

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INVENTOR(s): KOJO FUMIYASU
YAMAZAKI GIICHI
KATAOKA KENJI
APPLICANT(s): MATSUSHITA GRAPHIC COMMUN SYST INC [330729] (A Japanese
Company or Corporation), JP (Japan)
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ABSTRACT

PURPOSE: To simply and rapidly **update** an individual index file by the main work of a host device in file updating processing such as the deletion or modification of an already registered document by forming an updating history list in a file device.

CONSTITUTION: In case of updating a document file 7 and an index file 9 by the registration of a **new** document and the deletion or modification of an already registered document in the file device 100, a file controller 4 enters the **updated** record in the updating history list 19 in a magnetic disk device simultaneously with updating. A host device 200 periodically requests the sending of **updated** records following the final serial number when the records exist in the history list 19. After receiving the **updated** records, the device 200 inspects an **optical disk** number 23, a document number 24, a processing sort 25, and accessory information 26 entered in the history list 19, determines information necessary for updating its index file 18 at the time of updating the file and requests the sending of the information to the device 100. Consequently, the file 18 can be simply and rapidly **updated** by the main work of the device 200.